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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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Calcutta. the 14th February, 1998

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पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

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पेटेंट कार्यालय शाखा, टोंडो इस्टेट,
तीसरा तल, लावर पार्ले (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
नांदन और नगर हवेली ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र कुंडीगढ़ ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
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संघ शासित क्षेत्र, मछड़ीप, मिन्निकाय
तथा एमिनिदिचि द्वीप ।

तार पता - "पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, विवनीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश वांस मार्ग,
कलकत्ता-700 020 ।

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के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
चैक द्वारा की जा सकती है ।

ANNOUNCEMENT OF DATE

(180621)	Filed on Date 23-06-92
545/Del/92	Ante dated to 07-11-88
180622	filed on 16-7-1992
(630/Del/92)	Ante dated to 1-12-1988
180623	filed on 23-7-1992
(630/Del/92)	Ante dated to 14-12-1988
180625	filed on 9-10-1992
(901/Del/92)	Ante dated to 13-3-1989

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Ind. Cl. : 81 180621
Int. Cl. : A 61 C 5/02

A FOAM COMPOSITION FOR FIGHTING UNDERGROUND MINE FIRE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) AJOY ACHARYYA,
- (2) GOUTAM SURAL.

Kind of Application : Divisional Complete.

Application for Patent No. 545/Del/92 filed on date 23-06-92.

Divisional to Patent Application No 962/Del/88 filed on 07-11-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

2 Claims

A foam composition for fighting underground fire in mines which comprises a synergistic mixture of sodium or ammonium lauryl sulphate and a stabiliser having the properties of desired water retention capacity, expansion ratio of the order of 1 : 1000 (water : air) and being selected from sodium carboxy methyl cellulose, alkaline solution of gum arabic, ferrous gluconate albumin sapolin, starch, aluminium lactate and xylene sulphate in the range of 0.12 to 0.2% w/v and 1 to 1.5% w/v, China clay previously soaked in borax solution ranging from 6 to 8% w/v.

(Complete Specification 8 Pages; Drawing Nil)

Ind. Cl. : 32(c), 182B

180622

Int. Cl. : B01J 32/00, C12N 11/14

A PROCESS FOR THE PREPARATION OF IMMOBILIZED AMYLOGUCOSIDASE ENZYME USING POROUS HIGH SILICA FABRIC HAVING HIGH SURFACE AREA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) THOLATH EMILIA ABRAHAM,
- (2) SONTI VENKATA RAMAKRISHNA,
- (3) ALATHUR DAMODARAN DAMODARAN.

Application for Patent No. 630/Del/92 filed on 16-7-1992. Ante dated to 1-12-1988.

Divisional to Patent application No. 1052/Del/88 filed on 1-12-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of immobilized amyloglucosidase enzyme using porous high silica fabric having high surface area which comprises immobilizing the enzyme amyloglucosidase with a porous high silica fabric having a surface area of 310m²/g a silica content of 99.56% specific gravity 1.663 and E glass 7 hardness satin weave 0.9 to 1.00 mm thick proposed by the process as herein described at a concentration of 50-200 mg enzyme protein per gram of aldehyde derivative of alkylamine carrier present on the said silica fabric at a temperature in the range of 4 to 30° and a pH in the range of 4-7 by known methods.

(Complete Specification 9 Pages; Drawing Sheet Nil)

Ind. Cl. : 32F (3b), 170A

180623

Int. Cl. : C07C, 51/00

AN IMPROVED AQUEOUS PROCESS FOR PREPARING 2, 2'-OXODISUCCINATE.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventors :

- (1) DANIEL STEDMAN CANNOR,
- (2) HERBERT CHARLES KRETSCHMAR,
- (3) CLIFFORD LEROY MACBRAIR,
- (4) JAMES ALBERT CLEARY.

Application for Patent No. 650/Del/92 filed on 23-7-1992. Ante dated to 14-12-1988.

Divisional to Patent Application No. 1101/Del/88 filed on 14-12-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

3 Claims

An improved aqueous process for preparing 2, 2'-oxodisuccinate comprising reacting preformed malic acid, sodium hydroxide, a maleate reactant selected from maleic anhydride, maleic acid and mixtures thereof, and a calcium

reactant selected from calcium carbonate and mixtures thereof with calcium hydroxide, according to the immediately consecutive steps :

- (i) mixing calcium carbonate, water, malic acid and a proportion of said maleate reactant, allowing complete evolution of carbon dioxide and forming an acidic mixture provided that for each mole of pre-formed malic acid reacted, the total molar amount of maleate reactant, is 1.1 to 1.6 moles; the total molar amount of calcium reactant, is from 0.9 to 1.55 moles;
- (ii) adding from 0.92 to 3.7 moles of sodium hydroxide or a mixture thereof with calcium hydroxide, to the acidic mixtures of step (I) forming a sodium cation-containing alkaline mixture;
- (iii) in a period of duration 1 hour or less, adding the remainder of said maleate reactant to the stirred sodium cation-containing alkaline mixture of step (II), at temperatures in the range from 75°C to 110°C, having at the end of the step (III) addition a net hydroxide excess MOH of from 0.02 to 0.3 moles;
- (iv) in a period of duration 1 hour or less, cooling the mixture formed in step (III) to a temperature in the range from 35°C to 45°C;
- (v) at said temperature in the range from 35°C to 45°C, continuing to react the mixture of step (IV); the duration of step (V) being from 48 hours to 240 hours, whereby a crude product having a HPLC yield of at least 80% 2, 2'-oxodisuccinate is secured;
- (vi) diluting the product of step (V) with water and precipitating calcium carbonate therefrom; thereby arresting the step (IV) reaction and depleting the level of calcium; provided that in steps (III) and (IV) together;
 - the total time at any temperature above 100°C does not exceed 15 minutes;
 - the total time at any temperature above 90°C does not exceed 30 minutes;
 - the total time at any temperature above 80°C does not exceed 2 hours;
 - the total time at any temperature above 70°C does not exceed 6 hours;
 - the total time at any temperature above 65°C does not exceed 12 hours; and

further provided that for each mole of preformed malic acid reacted, the total net amount of water added in step (I), (II) and (III) together, allowing for evaporation losses, is no less than 189 grams and no more than 282 grams.

Ref. : US - 3128287, 3635830

Agent : Remfry & Sagar.

(Complete Specification 66 Pages; Drawing Sheet Nil)

Ind. Cl. : 32F_{2a}.

180624

Int. Cl.⁴ : C07 D267/20

A PROCESS FOR THE PREPARATION OF DIBENZ (B, F)-1,4-OXAZEPINE (CR).

Applicant : CHIEF CONTROLLER, R'D DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, TECHNICAL COORDINATION, B-341, SENA BHAWAN, DHQ P.O., NEW DELHI-110001.

Inventors :

- (1) RAMESH CHANDRA MALHOTRA (IN);
- (2) PRANAV KUMAR GUTCH (IN);
- (3) VIJAY PAL (IN);

(4) P. K. RAMACHANDRAN (IN);

(5) RVAIDYANATHA SWAMY (IN).

Kind of Application : Complete.

Application for Patent No. 797/Del/92 filed on date 7-9-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of Dibenz (b, f)-1, 4-oxazepine as shown in fig-1 comprising preparing Schiff's base by reacting O-chlorobenzaldehyde with O-aminophenol in alcohol at room temperature under stirring, filtering the reaction mixture to obtain solid mass, washing said filtered solid with petroleum ether and subjecting the same to the step of further reaction with alcoholic alkali salt in a high boiling solvent as herein described at elevated temperature followed by extraction of the product with pet. ether and finally recrystallisation from pet. ether to get yellow solid of said dibenz (b, f)-1, 4-oxazepine.

Reference : FR-761111.

Agent : L. S. Davar Co. New Delhi.

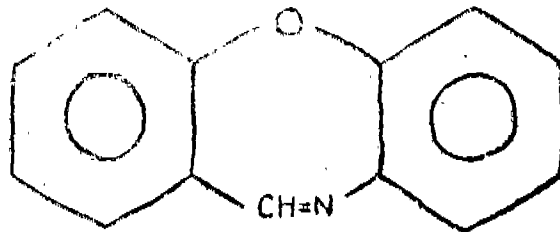


Fig. 1

(Complete Specification 9 Pages;

Drawing Sheet 1)

Ind. Cl. : 32A₂

180625

Int. Cl.⁴ : C69B 47/10, 47/18, 47/28

A RAPIDLY DISSOLVABLE PHOTOACTIVATOR DYE COMPOSITION.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA AND DANOCHEMO A/S, A DANISH COMPANY, OF MAIMPARKEN 5,2750 BALLERUP, DENMARK.

Inventors :

- (1) BITTEN THORENGAARD,
- (2) DAVID WILLIAM YORK.

Application for Patent No 901/Del/92 filed on 9-10-1992.

Convention date 14-3-1988/8806016/UK, Ante dated to 13-3-1989.

Divisional to Patent No. 238/Del/89 filed on 13-3-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

9 Claims

A rapidly dissolvable photo activator dye composition capable of rapidly dissolving in cold water without dye staining of fabrics being laundered, said composition being in the form of microcapsules comprising a solid dispersion of a water-soluble photo activator dye such as herein described located

within the interstitial space of a lattice of quickly water soluble encapsulating material such as herein described, each micro capsule comprising, by weight:

- (a) from 1% to 60% of said photoinitiator dye such as herein described.
- (b) from 38% to 97% of said encapsulating material such as herein described.
- (c) from 2% to 12% water, and
- (d) a viscosity reducing amount of saccharose or glucose syrup in a weight ratio of said encapsulating material to saccharose or glucose syrup of at least 35 : 65.

(Complete Specification : 17* Pages; Drawing Sheet Nil)

Ind. Cl. : 84B

180626

Int. Cl.⁴ : C10L 1/04, 1/12

A PROCESS FOR PREPARING A GASOLINE HAVING ENHANCED WATER TOLERANCE.

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO-44092, UNITED STATES OF AMERICA.

Inventors : STEPHEN HOWARD STOLLET

Kind of Application : Complete.

Application for Patent No. 902/Del/92 filed on 9-10-1992.

Ante dated to 19-1-1989.

Divisional to Patent No. 48/Del/89 filed on 19-1-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

3 Claims

A process for preparing a gasoline having enhanced water tolerance comprising combining in any conventional manner

(A) an amount sufficient to provide from 1 to 100 parts per million of alkali metal or alkaline earth metal to the fuel of an alkali metal or alkaline earth metal containing composition, and

(B) at least one member selected from the group consisting of :

- (i) a hydrocarbyl-substituted sulfonated phenol or salt thereof;
- (ii) an ethylene oxide/propylene oxide copolymer;
- (iii) a hydrocarbyl-substituted phenol and
- (iv) mixture of (i), (ii) or (iii), wherein the weight ratio of (A) to (B) is from 1 : 2 to 50 : 1, and the balance, if any, being

(E) an ashless dispersant of the kind such as herein described, wherein the weight ratio of (A) to (E) is from 4 : 0.1 to 1 : 4.

(Complete Specification 35 Pages; Drawing Sheet Nil)

Ind. Cl. : 32C

180627

Int. Cl.⁴ : C07C 175/00, 127/00

A PROCESS FOR PREPARATION OF UREA BASED INCLUSION COMPOUNDS OF VITAMIN A ESTERS.

Applicant : ANIL KUMAR MADAN & PREM DATT GROVER, DEPARTMENT OF CHEMICAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY, NEW DELHI-110016.

Inventors :

- (1) ANIL KUMAR MADAN,
- (2) PREM DATT GROVER.

Application for Patent No. 39/Del/93 and filed on date 20-1-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

2 Claims

A Process for preparation of urea inclusion compounds of vitamin A esters by solubilising vitamin A ester of the kind such as here in described rapidly adductible endocyte of the kind such as here in described and urea in suitable solvent such as Methanol by heating till complete dissolution cooling the resultant solution with optional agitation to allow vitamin A ester containing urea inclusion compound to crystallise, separating the resulting crystals from mother liquor and by known method and subsequently drying these crystals to yield urea inclusion compound of vitamin A Ester.

(Complete Specification 6 Pages; 1 Drawing Sheet)

Ind. Cl. : C 12 P 13/04

180628

Ind. Cl. : 32C

AN IMPROVED PROCESS FOR THE PREPARATION OF AN AMINO ACID BY DECARBAMOYLATION OF ITS N-CARBAMOYL DERIVATIVE USING EMULSION SYSTEMS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors :

- (1) BRAJESH KUMAR JHA,
- (2) AJAY SADASHIV CHHATRE,
- (3) BHASKAR DATTA KULKARNI,
- (4) ROHINI RAMESH JOSHI,
- (5) RAMESH ANNA JOSHI,
- (6) UTTAM RAMRAOLAKHOTE,
- (7) THOTTAPPILLIL,
- (8) RAVINDRANATHAN.

Application for Patent No. 197/Del/93 filed on date 3-3-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, New Delhi-110005.

7 Claims

An improved process for the preparation of amino acid by decarbamylation of its N-carbamoyl derivative using emulsion system which comprises preparing emulsion of the N-carbamoyl derivative of the said amino acid in mineral acid by known method, such as here in described adding to this solution an aqueous solution of sodium nitrite under constant stirring, maintaining the solution at the temperature in the range of 0°C to 25°C for a period ranging from 2 to 5 hours, treating the solution with an alkali solution, demulsifying by conventional method such as here in described and filtering the solution to recover the amino acid and if desired, recycling the residue containing the unreacted N-carbamoyl derivative of the amino acid.

(Complete Specification 11 Pages; Drawing Sheets Nil)

Ind. Cl. : 32 Fb

180629

Int. Cl.⁴ : C 07 C 59/255**A PROCESS FOR THE PREPARATION OF TARTARIC ACID FROM POTATO (SOLANUM TUBEROSUM).**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

- (1) RAJAT CHANDRA DAS.
- (2) RAJEN KUMAR BORAH.

Application for Patent No. 284/Del/93 filed on date 23-03-93.

Complete left after Provisional Specification on 08-07-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of tartaric acid from potato (*Solanum tuberosum*) which comprises, cutting potatoes into small pieces and oxidising using nitric acid in presence of a catalyst mixture of vanadium pentoxide and manganese chloride by refluxing on water bath till nitrous oxide fumes disappear, neutralising the liquor by lime after cooling, separating precipitated calcium tartrate by filtration, washing and treating the said calcium tartrate by sulphuric acid at pH 2.5 to 3.0, filtering decolourising and crystallising the tartaric acid formed by known methods as herein described.

(Provisional Specification 7 Pages)

Drawings Nil)

(Complete Specification 6 Pages;

Drawings Nil)

Int. Cl.⁴ : A01N 65/00

180630

Ind. Cl. : 55 D1

A PROCESS FOR PREPARING AN AZADIRACTIN-CONTAINING EXTRACT.

Applicant : ROHM AND HASS COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF INDEPENDENCE MALL WEST, PHILADELPHIA PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

Inventors :

- (1) ZEV LIDERT,
- (2) JAMES STANLEY CLOVIS,
- (3) CRAIG GILBERTOOVERBERGER.

Application for Patent No. 759/Del/93 filed on date 20-7-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for preparing an azadirachtin-containing extract from clarified aqueous neem seed extract or neem cake which comprises :

- (a) contacting a clarified aqueous neem seed extract or neem cake with a macroporous polymeric adsorbent of the kind such as herein before described which adsorbs azadirachtin; and
- (b) removing the azadirachtin from the macroporous polymeric adsorbent with a solvent of the kind such as hereinbefore described and optionally treating with an oxidizing agent, preferably with an alkaline solution of hydrogen peroxide, which solution is preferably a sodium bicarbonate solution.

(Complete Specification 14 Pages;

Drawing Sheets Nil)

Ind. Cl. : 128G

180631

Int. Cl. : G01N 33/66

A GLUCOSE SENSOR FOR MEASURING THE LEVEL OF GLUCOSE IN THE BLOOD.

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION, A GOVERNMENT OF INDIA ENTERPRISE OF 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110048, INDIA.

Inventors :

- (1) BANSI DHAR MALHOTRA, INDIA
- (2) R. K. SHARMA, INDIA
- (3) RAJESH KUMAR, INDIA
- (4) S. S. PANDEY, INDIA
- (5) V. P. ARYA, INDIA
- (6) R. KUMARAN, INDIA
- (7) SANJAY KUMAR, INDIA.

Kind of application : Complete Provisional.

Application for Patent No. 984/Del/93 filed on date 6-9-93.

Complete left after Provisional Specification on 3-11-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A glucose sensor for measuring the level of glucose in the blood sample comprising a substrate (1) for supporting a first (2) working electrodes having a terminal extending into a working zone as herein described through a handling zone being disposed in a space relationship to a second/reference electrode (3) having a terminal extending into a working zone through a handling zone provided on to said substrate, said terminals (29, 39) being connected to a measuring instrument during the process of measuring the glucose level in the blood sample.

Ref. No. : Nil.

Agent : L. S. Davar & Company.

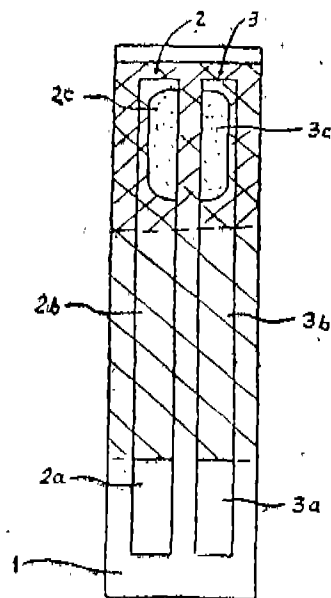


Fig. 1

(Provisional Specification 4 Pages;

Drawings Nil)

(Complete Specification 11 Pages;

Drawing 2 Sheets)

Ind. Cl. : 35 E

180632

Int. Cl.⁴ : C 04B 35/14.**A PROCESS OF PRODUCING AN IMPROVED COMPOUND FOR SPRAYING AND PATCHING OF REFRAC-
TORIES IN COKE OVENS.**

Applicant : STEEL AUTHORITY OF INDIA LIMITED, RESEARCH AND DEVELOPMENT CENTRE FOR IRON AND STEEL, HAVING ITS REGISTERED OFFICE AT ISPAT BHAWAN, LODI ROAD, NEW DELHI-110003, A GOVT. OF INDIA ENTERPRISE.

Inventors :

- (1) SACHI DULAI MAJUMDAR,
- (2) SAWAPAN KUMAR GARAI,
- (3) NIRMAL KANTI CHOSH,
- (4) ANUP KUMAR BHATTACHARYA,
- (5) SUSONTA SARKAR,
- (6) BAGALS NANDA CHOUDHURY,
- (7) BIKASH KUMAR BHATTACHARYA,
- (8) KAIYAN KUMAR MUKHERJEE.

Application for Patent No. 041/Del/90 filed on date 15-01-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process of producing an improved refractory compound comprising (i) preparing a dry composition of (a) raw materials containing 50 parts by weight of silica brick made from salvaged broken silica bricks of preferred chemical composition as herein described, 20 parts by weight of quartzite fines, 10 parts by weight of bentonite, preferably calcium bentonite, and 20 parts by weight of ball clay, preferable of calcium based type, each being of granulometry, as herein described; and (b) manganese powder having more than 60% by weight manganese, 2 parts by weight of sodium-meta silicate, 2 parts by weight of sodium diborate (borax), 3 parts by weight of sodium carbonate and 0.5 part by weight of carboxy-methyl cellulose each being of commercial grade and of granulometry, as herein described, the said ingredients of raw materials, binders and additives being mixed in a pan-mixer or on the floor in a preferred sequence, as herein described; and (ii) mixing the said dry composition with water in a proportion required for obtaining a stable slurry of the said ingredients in a form suitable for application by spraying or by trowel, which does not settle or become viscous, and allows chemical reaction to start in it with movement of cations and anions giving rise to meta-potential.

(Complete Specification 15 Pages;

Drawing Sheet Nil)

Ind. Cl. : 125 B 2

180633

Int. Cl.⁴ : G01K 17/00**AN APPARATUS FOR DETERMINING THE SPECIFIC
HEAT RATIO OF GASES AND MIXTURE OF
GASES.**

Applicant : BHARAT HEAVY ELECTRICAL LIMITED, OF 18-20 KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA AN INDIAN ORGANISATION.

Inventors :

- (1) RUDRARAJU SATYANARAYANA RAJU, IN
- (2) KORAPATY HIMKAR, IN.

Kind of Application : Provisional-Complete.

Complete left after Provisional filed on 12-06-91 complete specification.

Application for Patent No. 233/Del/90 filed on date 12-03-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An apparatus for determining the specific heat of a gas or of any mixture of gases of unknown composition comprising a compressor (1) for compressing the gas or gaseous mixture to the desired pressure ratio, a plurality of pressure control valves (3v1 v2 v3 v4) for controlling the pressure in the flow stream, three settling chambers (2, 4, 6) incorporated in series in the said flow system of the gas from said compressor (1) to reduce flow pulsations, a cooler (7) for maintaining constant gas temperature, characterised in that a converging-diverging flow nozzle (5) having significantly low diameter throat section to inlet diameter ratio being provided between two settling chamber, (4, 6) connected to the upstream and downstream ends of said nozzle, (5) a pitot tube (8) being provided at the inlet end of said nozzle (5) for measuring total flow pressure and wall tappings (9) provided at the said throat section of nozzle for measuring the throat static pressure of the gas.

Ref. No. Nil.

Agent : L. S. Davar & Co.

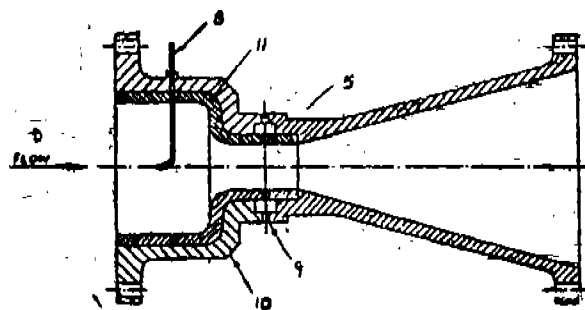


Fig. 2

(Provisional Specification 7 Pages;

Drawing 4 Sheets)

(Complete Specification 8 Pages;

Drawings 2 Sheets)

Ind. Cl. : 32 B

180634

Int. Cl.⁴ : C07C, 51/12**A PROCESS FOR PREPARING CARBOXYLIC ACIDS.**

Applicant : BP CHEMICALS LIMITED, A BRITISH COMPANY OF BELGRAVE HOUSE, 76 BUCKINGHAM PLACE ROAD, LONDON SW1 OSU, ENGLAND.

Inventors :

- (1) ROBERT GEORGE BEEVOR,
- (2) DAVID JEFFREY GULLIVER.

Kind of Application : Complete.

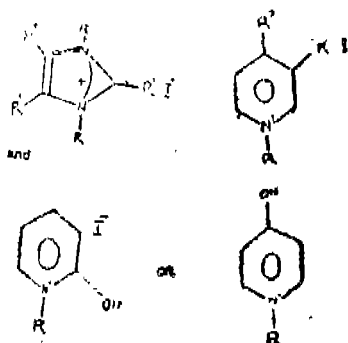
Application for Patent No. 355/Del/90 filed on date 10-4-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A process for preparing a carboxylic acid having (n-1) carbon atoms from an alcohol having n carbon atoms or an ester of said alcohol and said carboxylic acid and carbon monoxide, in the presence of a rhodium catalyst said process comprising feedings said alcohol and/or an ester of said alcohol and said carboxylic acid together with carbon monoxide to a carbonylation reactor; removing the carboxylic acid so formed from the carbonylation reactor; characterised in that the reaction is carried out in a liquid reaction medium

maintained in the reactor, said liquid reaction medium comprising : (a) at least a finite quantity of water (b) a catalyst stabiliser selected from the group consisting of quaternary ammonium iodides of the formula



wherein R and R¹ groups are independently selected from hydrogen or C₁ to C₂₀ alkyl groups and at least one R¹ group is other than hydrogen R² is C₁ to C₂₀ alkyl, (c) an iodide derivative of said alcohol, (d) an ester of said carboxylic acid and said alcohol, (e) a rhodium catalyst, and (f) said carboxylic acid.

(Complete Specification in 15 Pages; Drawing Sheets Nil)

Ind. Cl. : 206 E

180635

Int. Cl. : H04K 100

PAGING TERMINAL

Applicant : MOTOROLA INC., A CORPORATION OF STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EAST ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS, UNITED STATES OF AMERICA, HEREBY DECLARE

Inventors : LEON JASINSKI GYNNE A STEEL

Application for Patent No. 368/Del/90 filed on 12-01-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

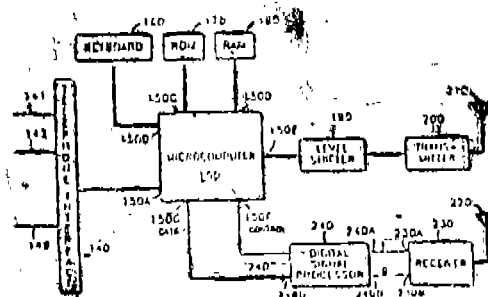
A paging terminal for transmitting address and variable length message signals to a plurality of remotely located acknowledge back 121, 122 and non-acknowledge back pagers, each of said pagers having a unique address, said terminal characterised by :

input means 140, 160 coupled to a telephone network, 141, 142 for 149 receiving a plurality of addresses identifying at least a group of M acknowledge back and non-acknowledge back pagers to which associated variable length messages are to be sent, wherein M is an integer;

said coupled to input means for sequentially ordering the addresses of said group of M acknowledge back 121, 122 and non acknowledge back 130 pagers received for transmission, the address ordering providing for transmitting the addresses for said acknowledge back pages 130 prior to transmitting the addresses for said non-acknowledge back pagers 121, 122 within said group of M received addresses; and

transmitting means, coupled to said ordering means, 150 for sequentially transmitting the ordered addresses corresponding to said group of M acknowledge back 121, 122 and non-acknowledge back 130 pagers as an address batch during a first time period, and for sequentially transmitting the associated variable length messages for said group of M acknowledge back 121, 122 and non acknowledge back pagers 130 in a message batch including end of message markers delimiting the associated variable length message during a second time period subsequent to said time period, said associated variable length messages being transmitted in a

predetermined order bearing a known relationship to the order in which the addresses of said address batch were transmitted.



(Complete Specification 43 pages Drawing 9 Sheet)

Ind. Cl. : 126 C.

180636

Int. Cl. : G 01 B 21/30

A DEVICE FOR MEASURING THE ROUGHNESS OF A ROAD SURFACE.

Applicant : DEPARTMENT OF ELECTRONICS, 4TH FLOOR, A-BLOCK, CGO COMPLEX, LODI ROAD, NEW DELHI-1100013 AND CENTRAL ROAD RESEARCH INSTITUTE, ROAD DIVISION, DELHI MATHURA ROAD (P. O.), NEW DELHI-110029, INDIA, BOTH INDIAN INSTITUTES.

Inventors : KRISHNA KANT, SIMON SUBHAKAR BUSHI, RAJU RAVI CHANDRAN, SANGITA ARORA, PRAMOD KUMAR NANDA, VED PRAKASH SHARMA, PARMOD KUMAR KANCHAN, SHIV DATT SHARMA. ALL ARE INDIAN CITIZENS.

Kind of Application : Provisional-Complete.

Application for Patent No. 446/Del/90 Filed on Dated 10-5-90.

Complete left after provisional specification 12-8-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A device for measuring the roughness of the road surface comprising a bump integrator has herein described being connected with the differential D of the rear axis A of the testing vehicle by means of a cord C, a haldagear H having a pulse generator and consisting of a differential gear adapted to be connected with the gear box of said vehicles being connected with the speedometer cable CH so as to measure the distance travelled by the testing vehicle, microprocessor M connected to the output of said bump integrator and haldagear being provided to receive the count pulses therefrom and to analyze the said pulses to provide instant printed report of the roughness of the road.

Reference : NIL.

Agent : L. S. DAVAR AND CO.

Complete Specification in (7) Pages

Drawing Sheets-2

Provisional Specification in (4) Pages:

Drawing Sheets-NIL

Ind. Cl. : 690 LIX (1)

180637

Int. Cl. : H01R 9/00, 11/00.

ELECTRICAL CONNECTOR ASSEMBLY.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, USA OF ARMONK, NEW YORK, 10504 USA.

Inventors : WILLIAM LOUIS BRODSKY, WESLEY JOHN BUYCK, ALAN DOUGLAS KNIGHT USA

Application for Patent No. 593/Del/90 Filed on Dated 15-06-90.

Convention Data : No. 8922299.6/Date-3 10-89/Co. U.K.

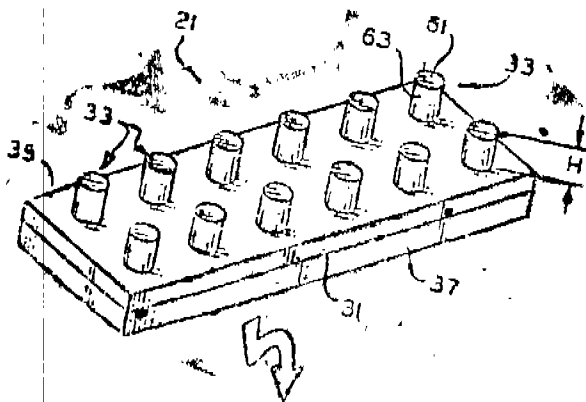
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005

19 Claims

An electrical connector assembly comprising

a first circuit (13) including a plurality of electrical (15) conductors a second circuit (17) member including a plurality of (19) electrical conductors;

a pressure (21) member for exerting a predetermined pressure against said second (17) circuit member to cause each of said electrical conductors of said second (17) circuit member to said first circuit (13) member wherein said pressure exertion (21) including a rigid based plate, a plurality of compressible (33) elements located on a first side of said base (31) for providing said predetermined pressure when compressed, and a resilient (37) member located on a second side of said base plate for compensating for variations in surface elevation in said first and/or second circuit member during exertion of said predetermined pressure against said second circuit member and means for retaining said pressure exertion member against said second circuit member to cause said compression for said compressible elements and said exertion of said predetermined pressure.



(Complete Specification 17 Pages; Drawing Sheets 2)

Ind. Cl. : 206A 206E 180638

Int. Cl.⁴ : H 01 B 11/12, H 01 L 39/12.

OPTICAL FIBRE CABLE AND METHOD OF MAKING THE SAME.

Applicant : NORTHERN TELECOM LIMITED, A CANADIAN CORPORATION HAVING ITS REGISTERED OFFICE AT WORLD TRADE CENTRE OF MONTREAL, 380 ST. ANTOINE STREET WEST, 8TH FLOOR, MONTREAL, QUEBEC H2Y 3Y4, CANADA.

Inventors : RALPH SUTHEHALL, ANDREW SUMMERS, CITIZENS OF ENGLAND.

Kind of Application : Convention-Complete.

Application for Patent No. 655/Del/90 filed on 27-6-1990.

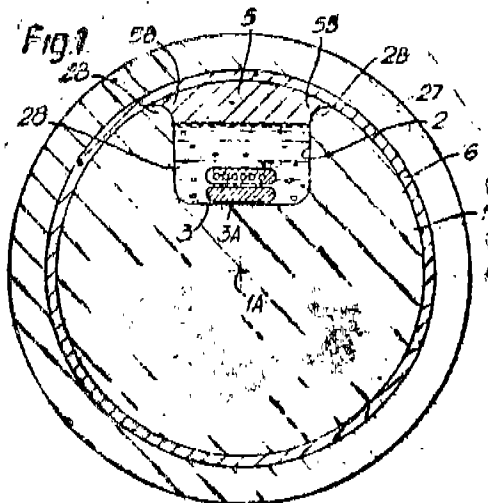
Convention date 1-7-1989/8915177.3/GB.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An optical fibre cable consisting of an electrically non-conductive core having a longitudinal channel or slot within which a self-supporting optical fibre ribbon element is disposed, there being an excess length of ribbon element relative to the length of the core, a non-optical ribbon or strip element of similar tensile modulus to that of the optical ribbon is disposed in the channel extending alongside and in

abutment with the optical ribbon element, characterized in that both elements have together an undulating configuration within the channel whereby to distribute evenly the excess optical ribbon element along the cable



(Complete Specification 11 Pages Drawing Sheets 3)

Ind. Cl. : 149 A

180639

Int. Cl. : E04C 1/04

A STRUCTURAL MEANS FORMING A FOUNDATION FOR A STRUCTURE.

Applicant : PROF. JAIDEV KHETRAPAL, K-19, GREEN PARK, NEW DELHI-110 016, AN INDIAN-NATIONAL.

Inventors : JAIDEV KHETRAPAL.

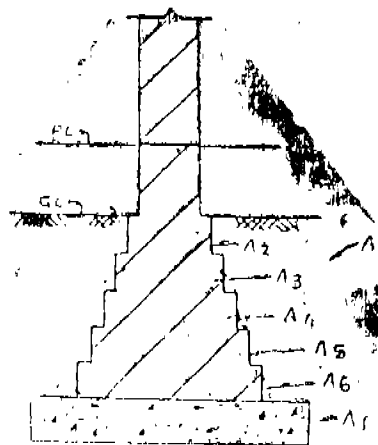
Application for Patent No. 682/Del/90 filed on 9-7-90.

Complete left after Provisional filed on 9-10-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A structural means to form a foundation for structure comprising gridwork of hollow sleepers being provided in a spaced relationship to each other along the same plane, lintels being mounted on said gridwork perpendicular to said hollow sleeper for the formation of masonry/brickwork thereon, clamps being provided with said hollow sleepers to form a continuous foundation, said lintels or clamps being provided in a spaced relationship to each other.



Provisional Specification 6 Pages
(Complete Specification 8 Pages;

Drawing Sheets 5)
Drawing Sheets 5)

Ind. Cl^e : 40 B 180640
Int. Cl⁴ : CO 1B 33/28

"A PROCESS FOR THE PREPARATION OF NOVEL CRYSTALLINE GALLOSILICATES"

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL Rafi Marg, NEW DELHI-110001

Inventors : NARASING RAO CADE, INDIA
VASUDEV PANDURANG SHIR-
ALKAR, INDIA, ARVIND
NARAYAN KOTASTHANF, INDI
PAUL RATNASAMY, INDIA.

Kind of Application : COMPLETE.

Application for Patent No. 693/DEL/90

Filed on 10-07-1990.

Appropriate Office for opposition proceedings (Rules 4 Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of a novel crystalline gallosilicates having a composition in the anhydrous form in terms of mole ratio of oxides of formula :

(1.0—10.0) R₂O : (0.5 to 2.0) M₂O : Ga₂ O₃ : 30—1000 SiO₂

Where M is a monovalent cation consisting of an alkali metal, NH₄, H or mixture thereof and R is an organic ammonium cation, the said gallosilicate having its X-ray powder diffraction pattern including inter-alia, the reflection as given below in Table 1 & 2 and its infrared adsorption spectra includes, inter-alia the adsorption frequencies as given below in Table 3.

Table 1

XRD Pattern of freshly prepared gallosilicate

Degrees 2θ	d Å°	1/I ₀ %
(1)	(2)	(3)
7.90	11.18	35.3
8.70	10.15	28.5
11.60	7.62	6.4
12.90	6.85	8.2
15.30	6.78	8.2
15.70	5.83	8.2
19.00	4.66	38.8
20.40	4.34	100.0
22.10	4.01	55.8
23.20	3.83	36.4

Table 2

XRD Pattern of calcined gallosilicate

Degrees 2θ	d Å°	1/I ₀ %
7.90	11.18	51.1
8.70	10.15	37.6
11.50	7.68	10.0
12.90	6.85	14.1
14.20	6.23	9.4
15.20	5.82	11.1
19.20	4.61	38.8
20.50	4.32	64.7
22.30	3.98	40.0
23.50	3.78	24.7
24.10	3.68	21.2
26.10	3.41	15.3
26.80	3.32	20.5
27.40	3.25	37.6
28.50	3.12	11.7
29.20	3.05	10.5
30.60	2.91	10.0
33.40	2.68	8.2
35.80	2.50	9.4
36.60	2.45	6.4
37.50	2.39	7.6
39.00	2.30	7.0
39.40	2.28	6.4
42.80	2.15	5.8
44.65	2.02	4.7
45.50	1.99	5.3
46.80	1.93	5.8
47.70	1.90	5.8

Table — 3

Wave number (cm ⁻¹)	Intensity	Assignment
470	Strong	Si—O banding
565	Medium	Double rings
595	Weak	ELC-5
660	Very Weak	ELC-5
690	Very Weak
730	Very Weak	ITSS
790	Medium Strong	ELSS
830	Medium Weak	ELSS
1080	Strong	ITAS
1250	Medium	Si—O asymmetric Stretch

ELC — External link complex 5 membered ring

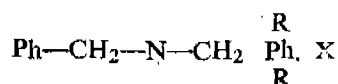
ITSS = Internal tetrahedral symmetric stretch

ELSS = External link symmetric stretch

ITAS — Internal tetrahedral asymmetric stretch

which comprises preparing a gel by adding gallium sulfate or nitrate, an alkali metal hydroxide, silica and an organic ammonium cation selected from 1) bis quaternary ammonium compound having general formula $[(CH_3)_3 N (CH_2)_4 - N(CH_3)_3]^+$

where N has a value of 4, 5 or 6 and (2) halide salt of dibenzyl dialkyl ammonium having general formula



so as to have the gel of the composition in the following ranger :

SiO ₂ /Ga ₂ O ₃	20 to 5000
OH ⁻ /SiO ₂	0.01 to 2.5
H ₂ O/SiO ₂	5 to 100
M ₂ O/SiO ₂	0.01 to 2.0
Q ⁺ /SiO ₂ OR	0.01 to 2.0
R ₂ O/SiO ₂	

heating the resultant gel at 100—200° for 1 to 30 days in an autoclave filtering, washing and then drying at a temperature in the range of 100 to 110° followed by calcining to produce crystalline gallosilicate where M is alkali metal, subjecting the said gallosilicate to ion exchange with an aqueous solution containing ammonium ions to yield gallosilicate where M is mainly NH₄, then calcining at

a temperature in the range of 450°—550°C to get a crystalline gallosilicate where M is mainly H.

(Complete Specification 27 Pages Drawing Sheet 1)

Cl. : 146

180641

Int. Cl. : H 01 L 31/06.

METHOD FOR MANUFACTURE OF A SOLAR CELL AND SOLAR CELL.

Applicant & Inventor : DR. RUDOLF HEZEL, OF HOFHEIMER STRASSE 12, D-8000 MUNCHEN 60, GERMANY.

Application No. : 905/Cal/1992 filed on 21st December, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

31 Claims

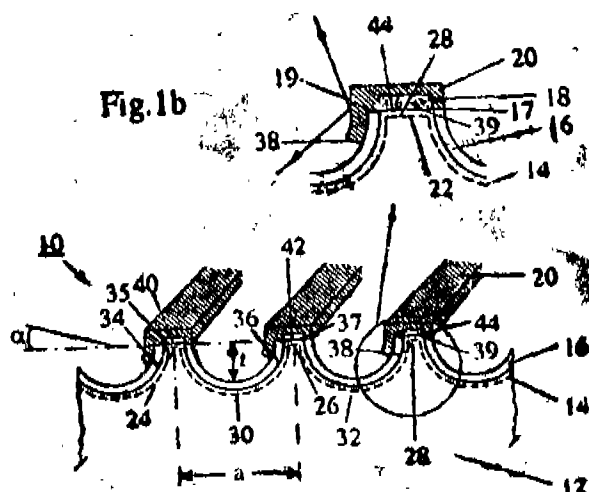
A method for manufacturing a solar cell (10, 46, 58, 80, 82, 94, 108, 124, 144, 210, 236, 258) comprising a semiconductor substrate (12, 110, 126, 146, 169, 212, 238) in which charge carriers can be generated by incident radiation energy, and electrically conducting contacts (20, 40, 42, 44, 100, 102, 114, 120, 156, 164, 218, 230, 254) for conducting of charge carriers wherein for manufacturing said solar cell elevated areas (24, 26, 28, 116, 118, 136, 138, 148, 150, 168, 220, 222, 224, 240, 242, 274) are provided on at least one semiconductor substrate surface.

after formation of said elevated area said semiconductor substrate surface is covered with a passivation layer (16, 98, 134, 158, 162, 246, 260),

passivation material present on said elevated areas is removed at least partially therefrom, and

material forming said electrically conducting contacts is disposed indirectly or directly at least on the areas of the elevated areas thus exposed and on some areas on passivation material on flanks extending from the elevated areas.

characterised by said elevated areas (24, 26, 28, 116, 118, 136, 138, 148, 150, 168, 220, 222, 224, 240, 242, 174) are formed without masking by a process selected out of mechanical removal and etching off of said semiconductor material and at least said passivation material is removed from said elevated areas such that plateau-like area (35, 37, 39, 140) is formed, from whose free upper surface the flanks (34, 36, 38) extend and in which semiconductor material is exposed



Compl. Specn. : 66 Pages;

Draws. : 7 Sheets.

CL : 105C

180642

Int. CL : G 09 F 9/46.

EQUIPMENT WHICH INCLUDES ELECTRONICS.

Applicant : SUNLINE HOLDINGS LIMITED, OF TROPIC ISLAND BUILDING, ROAD TOWN, TORTOLA, BRITISH VIRGIN ISLANDS.

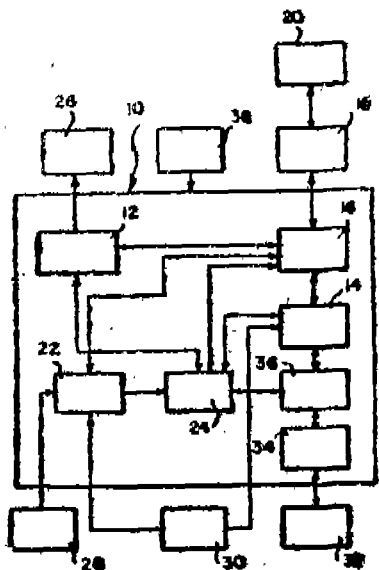
Inventor : LESLIE SMIEDT.

Application No. 419/Cal/1993 filed on 21st July, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 Claims

The combination of equipment having electronic circuitry which operates the equipment and a module connected to said circuitry and comprising a read only memory means having a substantially unique equipment identification means stored therein in such a manner that said read only memory means cannot be altered after said equipment is manufactured and said equipment identification means is stored therein, said equipment identification means being substantially permanently associated with said equipment said module further comprising an algorithm using said equipment identification means as data input to generate a series of unique first numbers and said equipment also comprising numeric input means or entry of a series of unique second numbers, said module further comprising comparing means for comparing each unique second number entered by said numeric input means to one of said unique first numbers such that matching between the unique first number generated and the unique second number inputted allows said electronic circuitry of said equipment to be operated and lack of matching renders said electronic circuitry of said equipment inoperable.



Compl. Specn. : 25 pages;

Drgns : 1 Sheet.

Ind. CL : 89

180643

Int. CL : G 01 R 31/26.

AUTOMATIC TEST CLOCK SELECTION APPARATUS.

Applicant : THOMSON CONSUMER ELECTRONICS, INC., OF 600 NORTH SHERMAN DRIVE, INDIANAPOLIS, INDIANA 46201, UNITED STATES OF AMERICA.

Inventors :

1. DAVID LAWRENCE ALBEAN.
2. JOHN WILLIAM GYUREK.
3. CHRISTOPHER DALE DUNCAN

Application No. 662/Cal/1993 filed on 1st November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

8 Claims

An automatic test clock selection apparatus within an integrated circuit said apparatus comprising :

a first input (115) of said integrated circuit (IC) for receiving a first input signal comprising a periodic clock signal;

a second input terminal (117) of said IC for receiving a second input signal comprising a phase-shifted representation of said periodic clock during a first mode of operation of said IC, said second input being subject to a modification during a second mode of operation of said IC ;

means (125, 135) responsive to said first and said second input signals for generating first and second signals internal to said IC;

means (150) responsive to a control signal indicating whether said IC is in said first or said second mode of operation, for coupling said first signal internal to said IC to a signal path during said first mode of operation and for coupling said second signal internal to said IC to said signal path during said second mode of operation; and

means (140) for detecting said modification of said second input signal during a first cycle of said periodic clock signal after said modification occurs and for generating said control signal indicating said second mode of operation during said first cycle of said periodic clock signal.

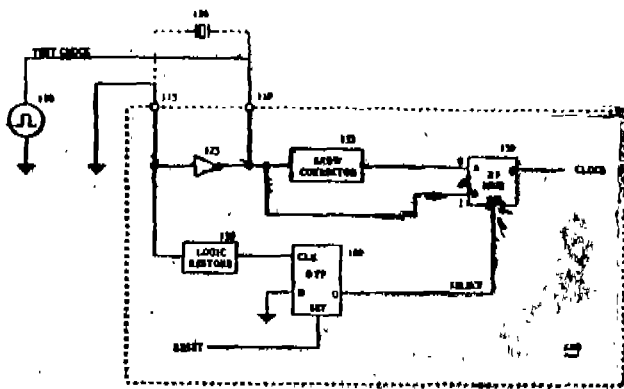


FIG. 3

Compl. Specn : 10 Pages;

Drgns: 3 Sheets.

Ind. CL : 93

180644

Int. CL : B 01 J 2/12.

DEVICE FOR ISSUING FREE - FLOWING COMPOUNDS AS STRIPS OR DROPS.

Applicant : SANTRADE LTD., OF ALPENQUAI 12, 6002 LUZERN, SWITZERLAND.

Inventors :

1. MATHIAS KLEINHANS.
2. REINHARD FROESCHKE.
3. FERDINAND WERNI.

Application No. : 708/Cal/1993 filed on 19th November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

Device for issuing free-flowing compounds as strips or drops on a cooling belt (13), which travels underneath, said device comprising at least one rotating pipe (2) whose circumference is provided with openings, through which the compound to be issued penetrates cyclically when

the drum rotates, and comprising a heating hood (15) that covers the rotating pipe (2) in the region facing away from the cooling belt, characterised in that the heating hood (15) is attached to swivel arm (19) and the said swivel arm (19) is attached to a stationary, perpendicular pin (22), whose axis corresponds to the swivel axis (20) and to be swung away radially from the drum around the axis (20) of said swivel arm (19) extending perpendicularly to the axis of rotation of the pipe (2) and said heating hood (15) is provided with a part (15a) that can be detached or folded and is attached to a hinge (16), which is connected to the swivel arm (19) and which is also designed as a swivel axis for the other part (15b) of the heating hood.

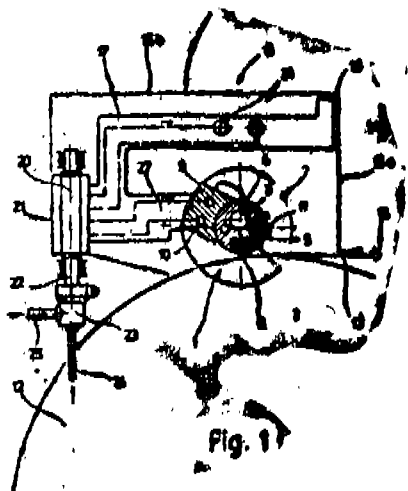


Fig. 1

Compl. Specn. : 10 Pages;

Drgns. : 3 Sheets

Ind. Cl. : 28 G

180645

Int. Cl. : A 61 J 3/00.

APPARATUS AND METHOD FOR COATING A PRODUCT.

Applicant : McNEIL PPC, INC., OF VAN LIEW AVENUE, MILLTOWN, NJ 08850, UNITED STATES OF AMERICA.

Inventor : NORBERT I. BERTA.

Application No. : 14/Cal/1994 filed on 10th January, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

8 Claims

An apparatus (300) for coating a product (10) such as a tablet comprising :

(a) means (36) for loading a plurality of uncoated products (10) onto a first plurality of carrier plate means (50) such that a first portion of said products (10) is exposed;

(b) means for advancing said first plurality of carrier plate means (50) along a first guide means to a first coating means (308) and to a first drying means (314) for applying and curing a first coating material on said first portion of said product (10);

(c) transfer means (318) for transferring said coated product from said first plurality of carrier plate means (50) to a second plurality of carrier plate means (50') such that a second portion of said product (10) is exposed;

(d) means for advancing said second plurality of carrier plate means (50') along a second guide means to a second coating means (320) and to a second drying means (315) for applying and curing a second coating material on said second portion of said product (10); and

(e) means (328) for unloading coated product from said second plurality of carrier plate means (50'),

characterised in that :

said transfer means (318) comprises a pair of plate gripper means (372, 373) each having a movable upper jaw (374, 384) and a movable lower jaw (376, 386), said upper and lower jaws being adapted to receive and retain respective first and second carrier plate means (50, 50') in face-to-face relation and an registration;

each pair of plate gripper means (372, 373) comprises means for selectively opening and closing said upper and lower jaws (374, 384, 386); and

said transfer means (318) comprises rotation means (378) attached to each pair of plate gripper means (372, 373) said rotation means (378) being adapted selectively transfer each pair of plate gripper means (372, 373) back and for the between first and second portion at which said plate gripper means (372, 373) can engage first and second carrier plate means (50, 50') on the first and second guide means respectively, whereby said transfer means (318) is adapted to transfer said product (10) from said first carrier plate means (50) to said second carrier plate means (50') and from said first guide means to said second guide means in a single rotation step.

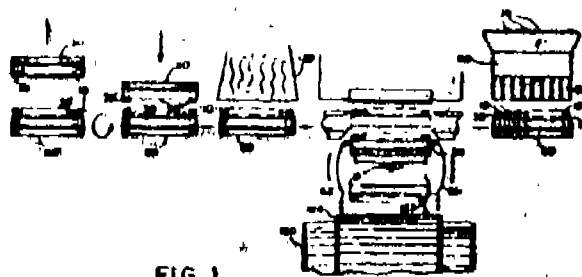


FIG 1

Compl. Specn : 41 Pages;

Drgns : 14 Sheets.

Ind. Cl. : 62 A 2

180646

Int. Cl. : C 11 D 3/395.

PROCESS FOR OBTAINING AN OXIDISED SUBSTRATE.

Applicant : WARWICK INTERNATIONAL GROUP LIMITED, OF WORTHLEY MOOR ROAD, LEEDS LS12 4JE, ENGLAND.

Inventors :

1. VINCENT BRIAN GROUND.
2. STEPHEN JAMES TOMPSETT.

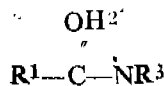
Application No. : 80/Cal/1994 filed on 8th February, 1994.

(Convention No. 9302443.8 on 8-2-93 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

7 Claims

A process for obtaining an oxidised substrate comprising : a first step, in which a peroxygen source selected from hydrogen peroxide, organic peroxides and inorganic persalts is reacted with an activator compound which is an N-acyl compound having the formula I



in which R¹ is an alkyl, alkenyl, aralkyl, alkaryl or aryl group, any of which groups has up to 24 carbon atoms and may be substituted or unsubstituted, and -NR³R³ is a leaving group in which R² and R³ are independently selected from H, C₁₋₂₄ alkyl, alkenyl, aralkyl, alkaryl or aryl groups, carbonyl-containing moieties having at least 2 carbon atoms in which the carbonyl group is joined to the nitrogen atom in the formula I in which R² and R³ can be joined together as a cyclic group and/or R¹ can be joined to either R² or R³ to form a cyclic group,

the reaction being carried out under acidic conditions and at a temperature with ranges 20 to 95°C in aqueous solution in which the peroxygen source is present in a concentration in the range 0.01 to 10M and which optionally comprising an acidifying component to form an oxidising product, which is a stronger oxidising agent than the peroxygen source, the aqueous solution containing the product of the first step being subjected to an optional intermediate step in which by products of said first step are removed and (b) a second step in which the product solution containing the stronger oxidising agent is contacted with a substrate in an aqueous environment at a pH of less than 7 to oxidised said substrate.

Compl. Specn : 39 pages

Drgns : Nil.

Ind. Cl. : 180

180647

Int. Cl. : F 24 J 2/00, 2/02, 2/22, 2/26.

A LIGHTWEIGHT INFLATABLE CHIMNEY.

Applicant : DAYA RANJIT SENANAYAKE, OF 9 ECRIN PLACE, COLOMBO 8 SRI LANKA.

Inventor : DAYA RANJIT SENANAYAKE.

Application No. : 137/Cal/1994 filed on 7th March, 1994.

Convention No. 10499 on 11-03-1993 in Sri Lanka).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

10 Claims

A lightweight, inflatable chimney (1) comprising an up-standing wall characterised in that the wall is formed from separate chimney units (3) mounted one on top of another inflatable segments (12), the segments being individually movable relative to the unit.

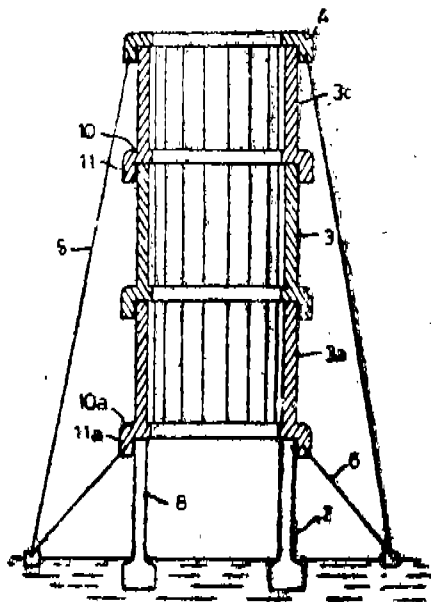


FIG. 1

Compl. Specn : 11 pages.

Drgns : 2 Sheets.

Ind. Cl. : 40 B. F

180648

Int. Cl. : C 08 F 2/16, 4/16.

A METHOD OF CROSS LINKING A CORSSLINKABLE POLYMER WITH HYDROLYSABLE SILANE GROUP WITH THE HELP OF AT LEAST ONE SILANOL CONDENSATION CATALYST.

Applicant : BOREALIS HOLDING A/S, OF LYNGBY HOVEDGADE 96, DK-2800 LYNGBY, DENMARK.

Inventors : RUTH DAMMERT, BILL GUSTAFSSON, BERNT-AKE SULTAN.

Application No. : 1044/Cal/1994 filed on 15th December, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 Claims

A method of crosslinking a crosslinkable polymer with hydrolysable silane groups of known type with the help of at least one silanol condensation catalyst, characterised in that 0.0001-3% by weight of a silanol condensation catalyst which comprises a compound of formula I



(I)

or a compound that is convertible by hydrolysis to a compound of formula I. Ar being a hydrocarbyl-substituted benzene or a hydrocarbyl-substituted naphthalene ring, the hydrocarbyl radical or radicals containing 8-20 carbon atoms in the benzene case and 4-18 carbon atoms in the naphthalene case; is added to the crosslinkable polymer and that the polymer is crosslinked under the influence of water.

Compl. Specn. : 18 Pages;

Drgns : Nil.

Cl. : 128 A

180649

Int. Cl. : A 61 B 17/08, A 44 B 19/00.

A DEVICE FOR CLOSING A WOUND.

Applicant & Inventor : KARL WERNER AN HAACK, OF AM HEDREISCH 25, 44225 DORTMUND, GERMANY.

Application No. 63/Cal/1994 filed on 1st February, 1994.

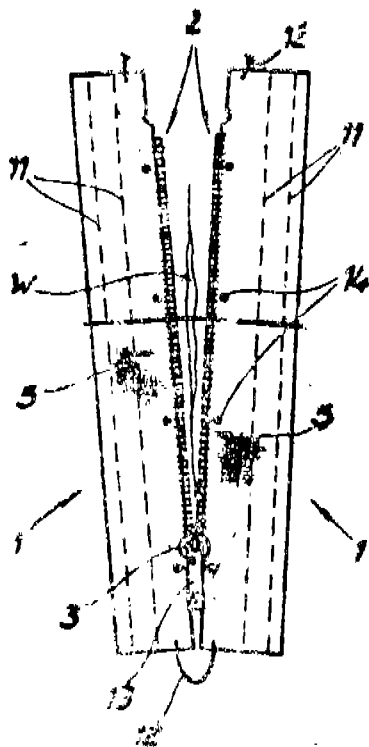
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office Calcutta.

10 Claims

A device for closing a wound, more particularly an operation wound extending substantially straight, said device comprising a sliding clasp fastener consisting of two textile support tapes with rows of coupling members disposed thereon, and having a slider, the device being adapted to be stuck to the patient's skin along the wound edges, the device embodying the combination of the following features and comprises :

- the sliding clasp fastener support tapes are folded over a longitudinal folding edge to form a double support tape one having a support tape strip connected to the coupling members and a turned-in tape strip.
- a spacer strip which forms a wound-free area is disposed between the turned-in tape strip and the support tape strips connected to the coupling members.
- a skin-compatible adhesive is applied directly or indirectly to the exposed surface of the turned-in tape strip.

the support tape strip connected to the rows of coupling members, the turned-in tape strip and the spacer strip being interconnected in the double tape zone.



(Compl. Specn. 13 pages;

Drgns. 3 Sheets)

Cl. : 144 E 6

180650

Int. Cl. : C 09 C 3/08

DISPERSED INORGANIC PIGMENT CONCENTRATE OF IMPROVED DISPERSIBILITY.

Applicant : KERR-McGEE CHEMICAL CORPORATION, OF KERR-McGEE CENTRE OKLAHOMA CITY, OKLAHOMA 73125 UNITED STATES OF AMERICA.

Inventor : RODNEY DAVID STRAMEL.

Application No. 132/Cal/1996 filed on 29th January, 1996.

(Divided out of No. 662/Cal/1991 antedated to 3-9-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office Calcutta.

8 Claims

Dispersed inorganic pigment concentrate comprising as a continuous phase a thermoplastic resin such as herein described and as a disperse phase an inorganic pigment composition of improved dispersibility in thermoplastic resin, said pigment composition comprising an inorganic pigment such as herein described having deposited thereon and physically or mechanically adhered thereto, an organophosphate ester treating agent corresponding to the general formula $(RO(R'O)x)PO$ wherein R is a monovalent lower alkyl radical containing from 1 to 6 carbon atoms, R' is a divalent hydrocarbon radical selected from the group consisting of ethylene and propylene radicals, and x is a number of from 1 to 15, said organophosphate treating agent being deposited upon said pigment in an amount of from 0.1 to 5 percent by weight based upon the weight of said pigment, the weight ratio of said pigment composition to said thermoplastic resin in said concentrate ranging from 0.5:1 to 5:1.

(Compl. Specn. 22 Pages;

Drgns. Nil)

Ind. Cl. : 34 A

180651

Int. Cl. : B 29 D 1/00

AN INTEGRAL BIAXIALLY MOLECULARLY ORIENTED PLASTICS MATERIAL MESH STRUCTURES

Applicant : NETLON LIMITED, A BRITISH COMPANY, KELLY STREET, MILL HILL, BLACKBURN, LANCASHIRE BB2 4PJ, GREAT BRITAIN.

Inventors :

- (1) MERCER, FRANK BRIAN
- (2) MARTIN, KEITH FRASER,
- (3) GARDNER KENNETH.

Application No. 303/Mas/1992 filed on 19th May 1992.

(Convention dated 24th May 1991; No. 9111304.3; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

19 Claims

An integral, biaxially-molecularly oriented plastic mesh structure having a pattern of meshes on a notional square or rectangular grid, and which has been formed by stretching in the transverse direction and stretching in the machine direction a starting material having a pattern of holes on a notional square or rectangular grid, the said structure having a thickness of at least 1 mm at its thickest point and having substantially greater strength in the machine direction than in the transverse direction, the said mesh structure comprising main oriented strands extending in the machine direction, transverse oriented strands extending in the transverse direction and oriented junctions between respective main and transverse strands, the said main and transverse strands being interconnected by continuously oriented crotches, the orientation being in the direction around the respective crotches, each junction having a zone thicker than biaxially oriented zones on either side thereof each on the axis of a respective transverse strand, the thickness of the thickest part of the junction being reduced by at least 30% during stretching, the said thicker zone having a substantially greater dimension parallel to the machine direction, the said thicker zone being substantially and continuously uniaxially oriented in the machine direction thereby providing continuous substantial uniaxial orientation in the machine direction from end to end of the mesh structure, the said thicker zone defining no substantial dip, each biaxially-oriented zone merging gradually with the crotches around the biaxially-oriented zone, as seen in section normal to the plane of the mesh structure and along a line passing through the centre of the junction at 45° to the machine direction.

(Ccm. Specn. 56 Pages;

Drawgs. 17 Sheets)

Ind. Cl. : 50 C

180652

Int. Cl. : F 25 B 31/00

A METHOD MANUFACTURING A FREEZING CYLINDER AND A FREEZING CYLINDER THEREOF.

Applicant : CARPIGIANI S.R.L., AN ITALIAN COMPANY, OF 45, VIA EMILIA, I-40011 ANZOLA EMILIA, ITALY.

Inventor : COCCHI GINO.

Application No. 326/Mas/1992 filed on 28th May, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Chennai Branch.

5 Claims

A method of manufacturing a freezing cylinder incorporating evaporator of the refrigerating unit for the said method comprising the steps of forming a helical groove on the outer wall surface of a first, inner cylindrical steel sleeve; winding a flat strip of annealed mild steel in screw-thread fashion in said groove; and shrink-fitting a heated second cylindrical steel sleeve on the crests of said thread.

(Com. Specn. 9 Pages;

Drawgs. 2 Sheets)

Ind. Class : 128-G

180653

3 Claims

Int. Cl.⁴ : A 61 F 2/00.

IMPROVEMENT IN OR RELATING TO PROSTHETIC CARDIAC VALVE AND TO THE METHOD OF MANUFACTURING SAME.

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, BIOMEDICAL TECHNOLOGY, SATELMOOND PALACE, TRIVANDRUM 695 012, KERALA, INDIA, AN INDIAN ORGANISATION

Inventors :

1. GOBICHETTI PALAYAM SUBBARATNAM EHVANESWAR.
2. MURALEEDHARAN CHIRATHODY VAYALAPPIL.
3. OMANA AMMA SREEDHARAN NEELAKANTAN NAIR.

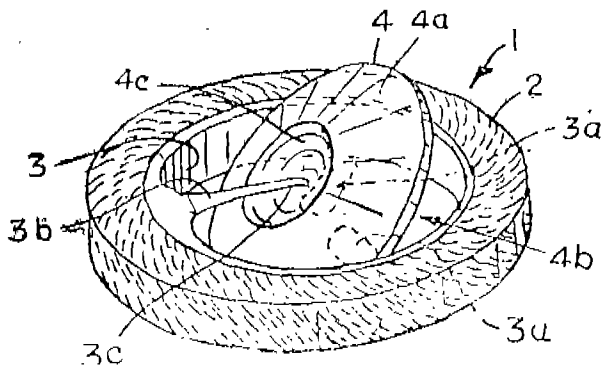
Application and Provisional Specification No. 329/Mas/92 dated June 1, 1992.

Complete Specification left : August 28, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Chennai Branch.

10 Claims

An improved prosthetic cardiac valve comprising a sewing ring component, mounted on the outer circumference of a valve housing, a disc occluder mounted within the inner circumference of the valve housing, said disc occluder being said tiltably on supports within the enclosed space of the valve housing, said valve housing having a grooved ring portion externally on which is mounted said sewing ring component, the sewing ring component being fabricated from polyester and said valve housing being fabricated of a cobalt-nickel-based or cobalt-chromium tungsten based-alloy or titanium or its alloys, wherein the valve disc is fabricated from the UHMW-PE, which is modified simultaneously with the fabrication as herein described.



(Prov. 8 pages; Com. 14 pages; Drwgs. 1 sheet.)

Ind. Cl. : 49-E, 49-H

180654

Int. Cl.⁴ : A 47 J 27/12.

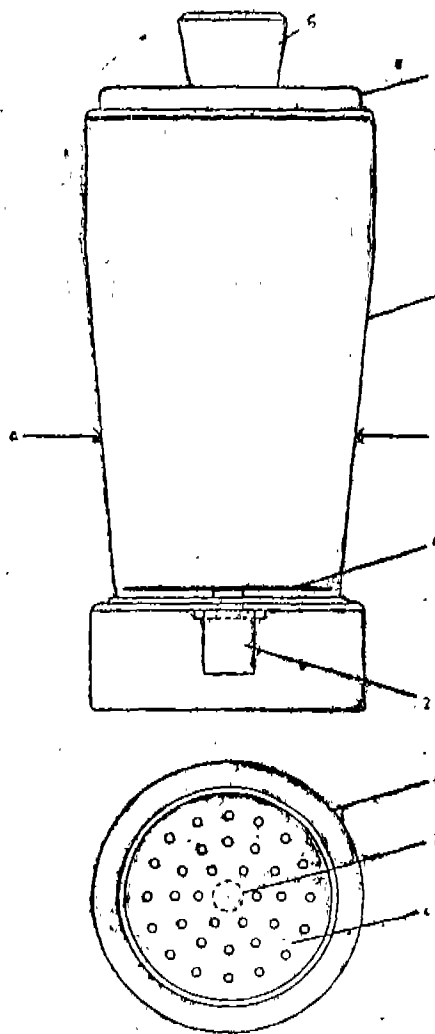
A STEAM COOKING CONTAINER SUITABLE FOR USING WITH PRESSURE COOKERS.

Applicant & Inventor : ALAMPALLAM SUBRAMANIAN VAIDHYANATHAN, AN INDIAN CITIZEN, OF "DWARAKA", HARIKAR STREET, PALGHAT-678001, INDIA.

Application No. 333/Mas/92 dated June 2, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Chennai Branch.

A steam cooking container suitable for using with pressure cookers comprising a container body having a bottom with a steam inlet, a lid having perforations for the steam outlet and a perforated sheet member disposed above the steam inlet at the inside bottom of the container wherein the said steam inlet has a matching shape for fixing the said container vertically on the steam outlet of a desired pressure cooker.



(Com. 5 pages;

Drwg. 1 sheet.)

Ind. Class : 35-E

180655

Int. Cl.⁴ : C 04 B 35/00.

A METHOD OF PRODUCING SILICA BRICK.

Applicant : SHINAGAWA REFRACTORIES CO. LTD., JAPANESE CORPORATION, OF 2-1 OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors

1. HISAYUKI HARAKO
2. SHUSHI AKAHORI

Application No. 335/Mas/92 dated June 3, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Chennai Branch.

12 Claims

A method of producing a silica brick, comprising the steps of pulverizing a siliceous stone material containing silica as a main component; forming the pulverized material; and firing the formed material; wherein the improvement comprises that 0.2 to 5 wt % of $\text{Na}_2\text{O}-\text{CaO}-\text{SiO}_2$ fused and solidified material is added to said siliceous stone material so as to cause the $\text{Na}_2\text{O}-\text{CaO}-\text{SiO}_2$ fused and solidified material to react with silica as the main component of said siliceous stone material, thereby promoting transformation of silica into cristobalite and tridymite, said $\text{Na}_2\text{O}-\text{CaO}-\text{SiO}_2$ fused and solidified material containing, at least, Si , CaO , Na_2 , Al_2O_3 and MgO , the contents being

SiO_2 : 70 to 75 wt %
 CaO : 5 to 13 wt %
 Na_2O : 10 to 40 wt %
 Al_2O_3 : 0.5 to 2 wt %
 MgO : 0.5 to 4 wt %.

(Com. 17 pages)

Ind. Class : 195D 180656

Int. Cl. : F 16 K 11/00, 11/052.

TEE-SHAPED THREE-WAY PIG-COMPATIBLE VALVE.

Applicant : FMC EUROPE SA, ROUTE DES CLERIS, 89103 SENS CEDEX, FRANCE, A WRENCH COMPANY.

Inventor : LE DEVEHAT EUGENE.

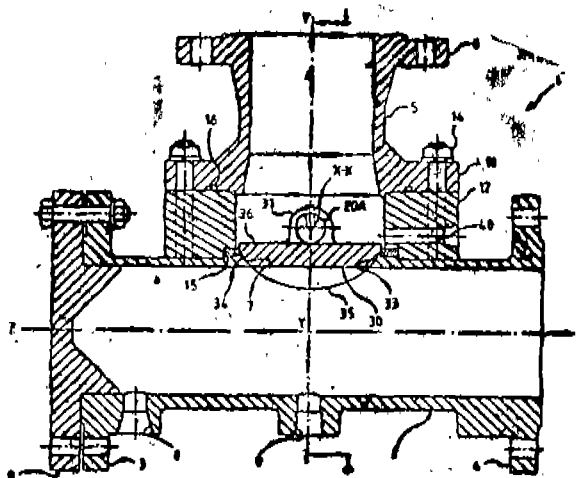
Application No. 340/Mas/92 dated June 5, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Chennai Branch.

15 Claims

Tee-shaped three-way pig-compatible valve comprising a pig compatible tubular main section, a tubular secondary section connected at right angles to this pig-compatible main section opposite a radial opening in a median portion of this tubular main section, and a moving closing element rotating around a control shaft transverse to this tubular secondary section and mounted close to the opening on the side of the tubular secondary section and allowing an angular course between a closure configuration in which this moving closing element seals off this tubular secondary section from the tubular main section and an opening configuration in which these tubular sections are connected, characterised in that said opening is determined by the intersection of the internal cylindrical surface of the tubular main section with a surface forming a seat formed from a portion of a sphere centered on the intersection of the (X-X) axis of the control shaft with the (Y-Y) axis of the tubular secondary section at a distance from the (Z-Z) axis of the tubular main section less than the sum of the internal radius of this tubular main section and the radius of this portion of a sphere, and in that this moving closing element is a solid butterfly-type disk offset with respect to the axis of the control shaft, having an edge formed from a portion of a sphere concentric with the surface forming the seat and with a diameter, allowing for clearance, equal to this surface forming a seat, and an outer surface turned towards the inside of the tubular main section which is a concave portion of a cylinder of the same diameter as the internal cylindrical surface of the tubular main section and with an axis situated with respect to the (X-X) axis of the control shaft at the same distance and at the same inclination as the (Z-Z) axis of the tubular main section, whereby, in the closure configuration, this disk completely seals off the opening by locally completing the internal cylindrical surface of the tubular main section.

3-477 GI/97



(Com. 18 pages;

Drwgs. 5 sheets)

Ind. Class : 6 B 3

180657

Int. Cl. : B 01 D 46/00.

AN AIR FILTER DEVICE.

Applicant : GALIPAG, ROSENHUBEN, 8500 FRAUENFELD, SWITZERLAND, A SWISS COMPANY.

Inventor : HERMANN GASSER.

Application No. 341/Mas/92 dated June 5, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Chennai Branch.

17 Claims

Air filter device comprising folded filters with several filter areas characterised in that on the contaminated air side device comprises at least one cleaning device for the filter area with a delimitation element for the air-tight sealing-off of the filter area to be cleaned from the other filter areas, a means to produce a transport flow between the filter area and the delimitation element, directed substantially parallel to the folded filters and transversely to the air flow during the filtering operation, as well as a discharge opening for the material moved by the transport flow.

(Com. 17 pages;

Drwgs. 9 sheets.)

Ind. Class : 179E, F

180658

Int. Cl. : B 65 D 39/00.

A CAP HAVING A TOP AND A DEPENDING SKIRT.

Applicant : THE WELLCOME FOUNDATION LIMITED OF UNICORN HOUSE, 160 EUSTON ROAD, LONDON NW1 2BP, ENGLAND; A BRITISH COMPANY.

Inventor : BRAIN LESLIE OGDEN.

Application No. 342/Mas/92 dated 8th June 1992.

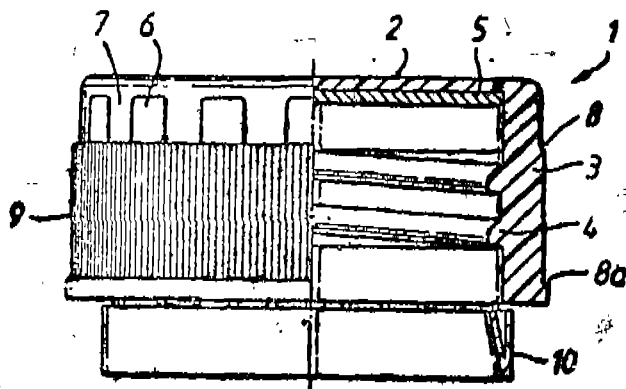
Convention date : June 7, 1991; (No. 91 122 59.8; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Chennai Branch.

7 Claims

A cap having a top and a depending skirt which receives the neck of a container at its lower end, wherein the skirt is provided at its outer and upper end portion with a first

engaging means for engaging an annular spanner located around the cap, and a seating means at the base of the first engaging means on which the annular spanner rests.



(Com. 10 pages;

Drwgs. 5 sheets.)

Ind. Class : 107 G

180659

Int. Cl.⁴ : F 02 D 1/08.

AN APPARATUS FOR CONDITIONING DAMPING FLUID IN A FUEL SYSTEM.

Applicant : CATERPILLAR INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 100 N.E. ADAMS STREET, CITY OF PEORIA, STATE OF ILLINOIS 61629-6490, UNITED STATES OF AMERICA.

Inventors

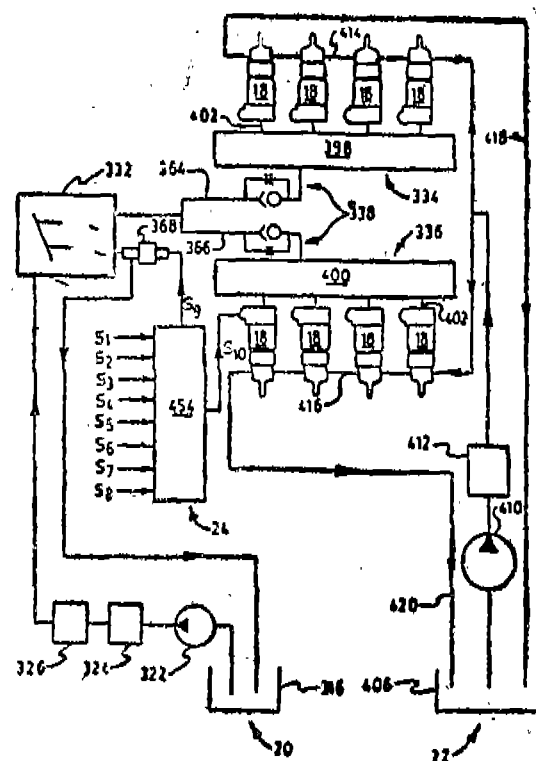
1. THOMAS G. AUSMAN.
2. JOHN G. ERTEL.
3. MICHAEL A. FLINN.

Application No. 343/Mas/92 dated June 8, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

An apparatus for conditioning damping fluid in a fuel system having an electronically-controlled unit injector and a pump operable to supply damping fluid to an electrical actuator assembly of the unit injector, said apparatus comprising electrical signal applying means for applying an electrical signal of a predetermined amplitude, pulse width and period to the electrical actuator assembly over a predetermined time span prior to operating the pump; and operating means for operating the pump while applying another electrical signal of a predetermined amplitude, pulse width, and period to the electrical actuator assembly.



(Com. 62 pages;

Drwgs. 10 sheet

Ind. Cl. : 68

1806

Int. Cl.⁴ : H 02 J 04/00,
07/00, 15/00.

MODULAR HYBRID ELECTRICAL POWER GENERATING SYSTEM.

Applicant : PAT VENKATESH SONTI, UNITED STATES OF AMERICA NATIONAL 1165, ALMA S GLENDALE, CALIFORNIA-91202, U.S.A.

Inventor : PAT VENKATASH SONTI.

Application No. 347/Mas/92 filed on 9th June 1992.

Appropriate Office for Opposition Proceedings (Rule Patents Rules, 1972), Patent Office, Chennai Branch.

1 Claim

A modular hybrid electrical power generating system (1) comprising of a wind powered electric generator (12); at least one photovoltaic panel (11) fossil fuel powered electric generator (14) and a battery bank (19) combined and mounted in a single integrated insulated weatherproof frame (30) made of rigid construction, the said photovoltaic generator (11), wind powered electric generator (12), fossil fuel powered generator (14) and the battery bank (19) are connected through an automatic transfer switch (22) and an electronic circuit based on micro-processor (18), inside the said frame, which controls the complete system (1) and supplies AC voltage to the output load panel selective by operating the said automatic transfer switch (22) the power produced by the said photovoltaic array (11), wind powered electric generator (12) and fossil fuel powered electric generator (14) are connected to the battery bank (19) through a battery charger (21), for charging battery; the said photovoltaic array (11) and the wind powered electric generator (12) are connected to an inverter (20) to supply AC voltage to the load panel (25); and the said fossil fuel powered generator (14) is connected to the output AC load panel (25) through an automatic transfer switch (22) which supplies AC voltage to the loads.

(Comp. 14 pages;

Drwgs. 2 sheets.

Class : 107 E, G

180661

Cl. : F 01 N 3/00

3/18, 3/30.

DEVICE FOR SHORTENING THE PRIMING DELAY (TIME) OF A CATALYST.

Applicant : INSTITUT FRANCAIS DU PETROLE, (FRENCH BODY CORPORATE), 4, AVENUE DE BOIS EAU, 92506 RUEIL MALMAISON, FRANCE.

Inventor : MICHEL CASTAGNE.

Application No. 348/Mas/92 dated June 9, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

device for shortening the priming delay (time) of a catalyst placed in the exhaust manifold of an internal combustion engine, said exhaust manifold consisting of a tube connected on one side to the collector collecting the combustion gases coming from the cylinder(s) and opening at the other end thereof onto the inlet come of said catalyst coming :

at least one pipe located inside said tube, of restricted section with respect to said tube, of low thickness and having first end opening in proximity to said catalyst, and

closure means for selectively closing the intertube space delimited between said inner pipe and said tube, as a function of the temperature of the exhaust gases led towards said catalyst.



Com. 18 pages;

Drwgs. 3 sheets.)

Cl. : 42—D

180662

Cl. : A 24 B 15/00

PROCESS FOR EXPANDING THE VOLUME OF TOBACCO.

Applicant : PHILIP MORRIS PRODUCTS INC., OF 31 COMMERCE ROAD, RICHMOND, VIRGINIA 234, U S A, AN AMERICAN COMPANY.

Inventors : 1. KWANG H CHO, 2. THOMAS J CLARKE, JOSEPH M DOBBS, 4. EUGENE B FISCHER, 5. JOSE G NEPOMUCENO, 6. RAVI PRASAD.

Application No. : 349/Mas/92 dated June 9, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

22 Claims

process for expanding the volume of tobacco comprising steps of : (a) contacting tobacco with carbon dioxide ; (b) increasing the pressure of the carbon dioxide gas containing the tobacco from a first pressure to a preselected pressure at or below 550 psig; (c) at said preselected pressure, flowing carbon dioxide gas through the tobacco to cool the tobacco to approximately to the saturation temperature of carbon dioxide gas at the preselected pressure; (d) condensing a controlled amount of carbon dioxide on the tobacco by further increasing pressure to a final pressure in a range of 400 psig and 950 psig after the flow-through cooling step (c); (e) releasing the pressure; and (f) thereafter expanding the tobacco by subjecting to heat.

Com. ; 38 pages;

Drwgs. : 13 sheets)

Ind. Cl. : 101-F

180663

Int. Cl. : E 02 B 9/00

AN INVENTION FOR IMPROVEMENTS IN OR RELATING TO HYDRO ELECTRIC PUMPED STORAGE POWER PLANT.

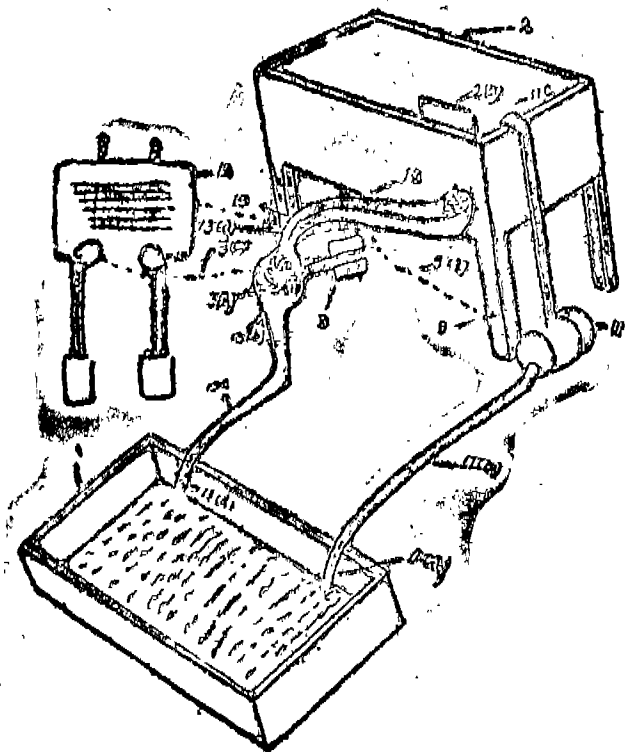
Applicant & Inventor : ARUMUGAM VAITHIANATHAN, OF INDIAN NATIONALITY, C/O. HIS DAUGHTER MRS. V. VANATHI, M. A. BED., DRAWING TEACHER, GOVT. SPECIAL AND JUVENILE HOME FOR GIRLS, 153, PURASAVAKKAM HIGH ROAD, KELLEYS, CHENNAI-600 010, TAMIL NADU.

Application No. : 351/Mas/92 dated June 10, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A hydro-electric pumped storage power plant comprising two water reservoirs, one lower and another upper, a pump unit for transferring water from the lower pool to upper reservoir, an alternator with fluid coupling cum chain drive cog wheel, whose turbine blades are rotated by the water fall from the upper reservoir, a dc generator with a chain drive free wheel at one end of its shaft, directly and mechanically coupled with the alternator to drive the said dc generator to charge a storage battery and starting means for the plant including switching means adapted at starting.



(Com. : 14 pages;

Drwgs. : 2 sheets)

Ind. Cl. : 188

180664

Int. Cl. : C 23 C 18/00

A METHOD AND AN APPARATUS OF COATING A SUBSTANCE ONTO A SUBSTRATE IN A FLUIDIZED BED.

Applicant : CARBON IMPLANTS INC., OF 8605 CRC'S PARK DRIVE, AUSTIN, TEXAS 78754, USA. (A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE).

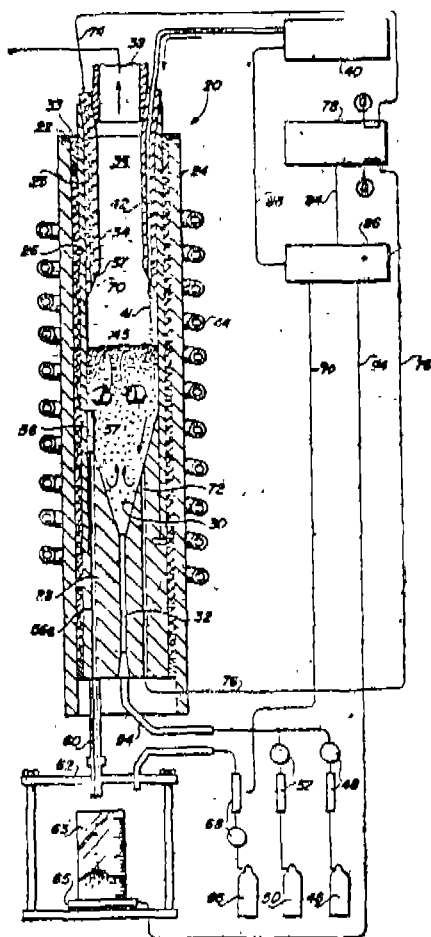
Inventors : 1. JAMES ALBERT ACCUNTUS, 2. DAVID SUMMERS WILDE,

Application No. : 353/Mas/92 dated 11th June 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

21 Claims

A method of coating a substance onto a substrate while being levitated in a fluidized bed of particles, said coating being carried out in an enclosure through which a gaseous atmosphere flows upward, comprising the steps of establishing a bed of particles in fluidized condition in said enclosure with at least one substrate to be coated being levitated within said fluidized bed, said levitation being effected by the upward flow of said gaseous atmosphere, heating said particles and said substrate to a desired temperature and adding pyrolytically decomposable component to said gaseous atmosphere to pyrolyse the said component and to deposit the pyrolytic substance upon said substrate and upon said particles, both of which are being levitated, withdrawing particles from said bed in a controlled manner, adding feed particles to said bed in a controlled manner, which feed particles having an average size that is less than the average size of the particles being withdrawn, monitoring the pressure at a predetermined location within or below said bed and the pressure above said bed to determine the difference in pressure therebetween, and changing either the rate at which particles are withdrawn from said bed or the rate at which particles are fed to said bed or both in response to said determined pressure difference so as to precisely regulate deposition over an extended period of time and thereby produce a precise coating upon said substrate being coated.



(Com. : 29 pages;

Drwgs. : 1 sheet)

Ind. Cl. : 195-D

180665

Int.Cl.⁴ : F 15 D 1/14

A BLADE FOR A GAS ISOLATOR.

Applicant : WES TECHNOLOGY INC., 3600 WEST SEGERSTROM AVE, SANTA ANA, CA 92704, U.S.A., A U.S. CORPORATION.

Inventors : (1) SQUIRRELL, ANTON FREDERICK, (2) WALDRON JOHN.

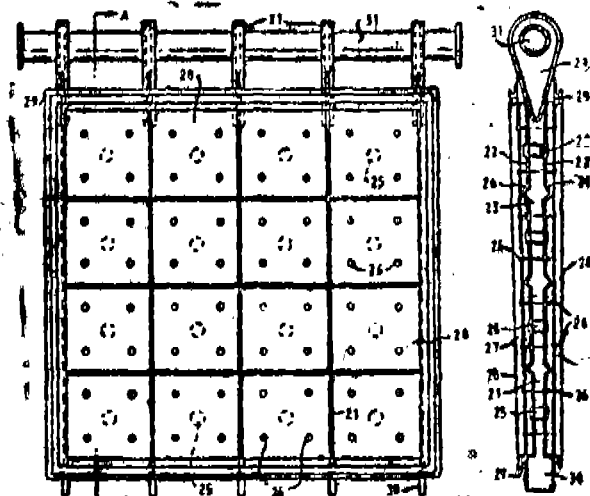
Application No. : 355/Mas/92 dated June 11, 1992.

Convention date : June 11, 1991; (No. 9112541.9; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A blade for a gas isolator comprising an isolator shaft having a longitudinal axis, the blade comprising at least two blade arms adapted to be attached to said isolator shaft transversely to said axis of the latter and in spaced relation to one another along said axis of said isolator shaft, and a pair of plates arranged in face to face relation with each other, each of said plates being attached at opposite edge thereof to said blade arms and said plates having their proximate faces separated from each other over their entire expanse so as to define therebetween a free gas space in the interior of the blade, said free gas space enabling hot gases entering said gas space to wet said plates over substantially their full extent for maintaining the full blade at the gas temperature.



(Com. : 12 pages;

Drwgs. : 4 sheets)

Ind. Cl. : 103

18066

Int. Cl.⁴ : C 23 C 22/56, 22/57

A PROCESS OF FLAT ABSORBER BLACK CHROMATE CONVERSION COATING ON MAGNESIUM-ALUMINIUM ALLOYS.

Applicant : INDIAN SPACE RESEARCH ORGANISATION, A GOVERNMENT OF INDIA ORGANISATION OF ANTARIKSH BHAVAN, NEW BEL ROAD, BANGALORE-560 054.

Inventor : ANAND KUMAR SHARMA.

Application No. : 356/Mas/92 filed on 11th June 1992

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Chennai Branch.

4 Claims

A process of flat absorber black chromate conversion coating on magnesium-aluminium alloys comprising the steps of degreasing in a suitable solvent; cleaning in an alkaline solution followed by water-rinse; acid pickling for 30 to 60 seconds in a solution containing 90 to 150 g/l chromium trioxide and 80 to 140 ml/L of nitric acid (70%

followed by water rinse; fluoride activation in 300 to 450 ml/L of 40% hydrochloric acid for 45 to 90 seconds, followed by water rinse; chromating for 30 to 90 minutes in a solution containing 75 to 125 g/L of sodium or potassium dichromate, 30 to 60 g/L of magnesium sulphate and 30 to 60 g/L of manganous sulphate at a temperature of 60 to 90°C, followed by water rinse and hot water dip; and heat treating at a temperature of about 70°C for 1 to 2 hours to obtain the flat absorber black chromate coating on magnesium—aluminium alloys which provides good solar absorptance and infrared emittance.

(Com. : 9 pages;

Dr. : Nil)

Ind. Cl. : I-A

180667

Int. Cl.⁴ : C 08 G 8/00

A PROCESS FOR PREPARING AN IMPROVED ADHESIVE RESIN.

Applicant : NATIONAL RESEARCH DEVELOPMENT CORPORATION, (A GOVT. OF INDIA ENTERPRISE) OF 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH CLONY, EXTENSION, NEW DELHI, INDIA.

Inventor : DR. JOSEPH GEORGE.

Application No. : 358/Mas/92 dated June 15, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A process for preparing an improved adhesive resin suitable for bonding rice husk, comprising the steps of admixing 20% to 90% parts of cashewnut shell liquid and/or cardanol with 10% to 80% parts of phenol, heating the said mixture in presence of alkaline catalyst, such as an alkaline solution of sodium hydroxide adding paraformaldehyde to the said reaction mixture while the heating is continued to complete the condensation reaction and thereafter cooling the reaction product.

(Com. : 8 pages)

Ind. Cl. : 34-A

180668

Int. Cl.⁴ : B 29 D 7/00

A PROCESS FOR THE PREPARATION OF CARBON FILMS.

Applicant : INDIAN INSTITUTE OF SCIENCE, BANGALORE-560 012, KARNATAKA, INDIA, AN INDIAN INSTITUTE.

Inventors : (1) SOMENHALLI VENKATESARAO SUBRAMANYAM, INDIA, (2) MADAKSIRA NARSIMHACHARY VIJAYASHREE, INDIA.

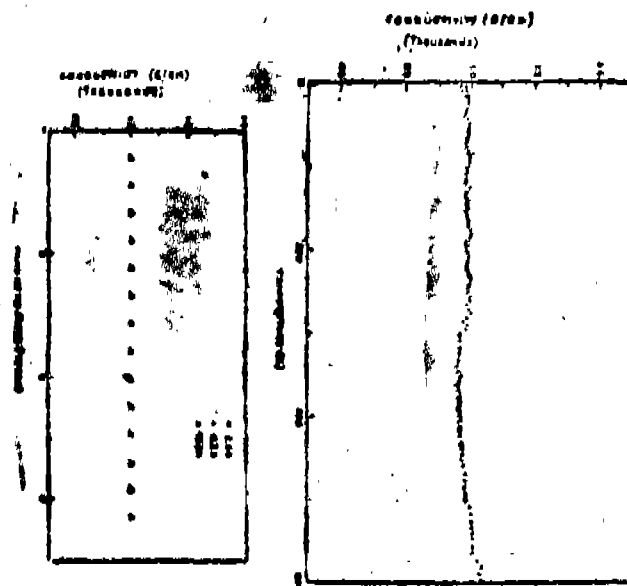
Application No. : 360/Mas/92 dated June 15, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

A process for the preparation of carbon film/slide having conducting properties which comprises in preparing a mixture by adding 4-chloro naphthalic anhydride of the formula of Fig. 1 to 3, 4, 9, 10-perylene-tetracarboxylic dianhydride of the formula of Fig. 21 in the ratio of 1:2 respectively, placing

said mixture into a quartz tube followed by the step of decomposition of the anhydrides by heating said tube, and then cooling said tube for removing the carbon film/slide therefrom.



(Com. : 7 pages;

Drwgs. : 3 sheets)

Ind. Cl. : D 01 H 1/02

180669

Int. Cl.⁴ : 172 D4

A RING SPINNING OR TWISTING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, CH-8406 WINTERTHUR, SWITZERLAND, A SWISS COMPANY;

Inventor : WOLF HORST.

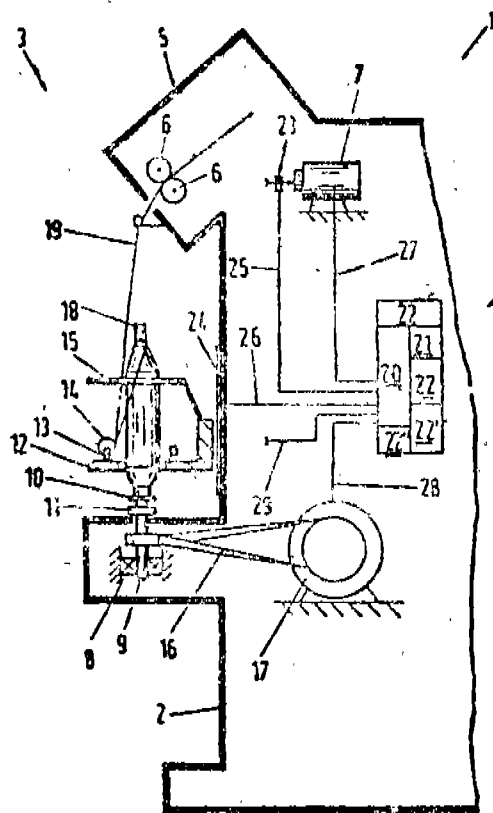
Application No. : 361/Mas/92 dated June 15th 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A ring spinning or twisting machine comprising a frame (2), with spinning and twisting units (3) provided therein, consisting each of a drafting arrangement (5), a spindle shaft (9) and a thread guide device (13, 14, 15) which belongs thereto and is located on a ring rail, and with at least one drive (7, 17) for spindle shafts (9) and for drafting arrangements (5), characterized in that it comprises means (21, 23) for detecting the processed yarn (19) means (24) for detecting the predetermined winding stage at the moment of passage of the yarn (19) past the lower edge of the tube of the cop (18) and a drive control unit (4) operatively connected with said means (21, 23, 24) with a device (20) for controlling the spindle shaft drive (17) and the delivery speed of the drafting arrangements (5), with the means for detecting the length being a sensor for sensing

angles of rotation (23) for the foremost drafting cylinder (6).



(Com. : 14 pages;

Drwgs. : 2 sheets)

Ind. Cl. : 128 G. +

180670

Int. Cl. : G 01 n 33/00

A DISPOSABLE CUVETTE FOR PERFORMING A DIAGNOSTIC TEST ON A SAMPLE IN AN AUTOMATED MACHINE CAPABLE OF MEASURING THE RADIANT ENERGY ABSORBED BY A SAMPLE UNDER ANALYSIS.

Applicant : MODULAR DIAGNOSTIC SYSTEMS LTD., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF ROUTE 12, P.O. BOX 358, BARNEVELD, NEW YORK, U.S.A.

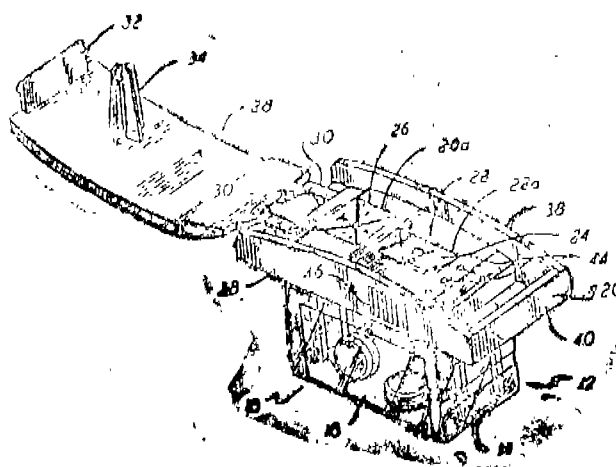
Inventors : HAROLD R MURPHY, DR. JEFFREY A DUBOIS, REID A STRICKLAND AND HAROLD F WOOD.

Application No. : 364/Mas/92 filed on 15th June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

20 Claims

A Disposable cuvette for performing a diagnostic test on a sample in an automated machine capable of measuring the radiant energy absorbed by a sample under analysis comprising: a hollow body forming a container with an open top; a cover sealably attached over the open top of said body, said cover having a sample receiving chamber having a bottom floor, and said cover having a first aperture for the introduction of a diluent into said container body; and a cap sized to fit over said cover to seal said first aperture and said cap having piercing means for piercing the bottom floor of said sample receiving chamber when said cap is attached to said cover, sealing the cuvette.



(Comp. : 28 Pages;

Dgs. : 06 sheets)

Ind. Cl. : 172 D 4

180671

Int. Cl. : D 01 H 5/00

AN OPEN-END SPINNING MACHINE.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AG, A GERMAN COMPANY, OF POSTFACH 260, 8070 INGOLSTADT, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) EDMUND SCHULLER, (2) RUPERT KARL, (3) ANTON STANGLMAIR, (4) GOTTFRIED SCHNEIDER.

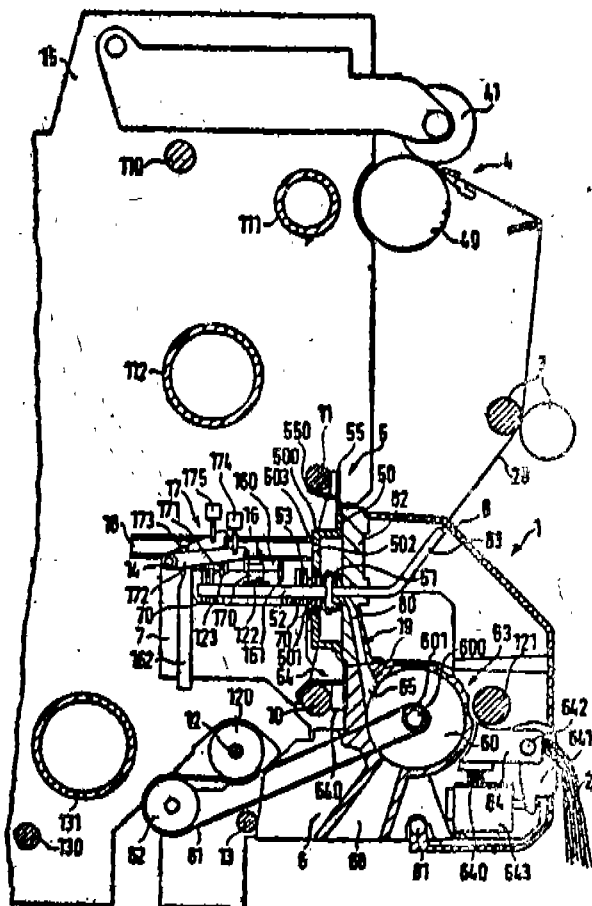
Application No. : 401/Mas/92 filed on 30th Jun 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

33 Claims

An open-end spinning machine comprising a plurality of spinning stations located next to one another, each said spinning station having a spinning apparatus with a plurality of structural units, each said structural unit comprising a spinning element, drive means for driving the spinning element, and an opening element located upstream of the spinning element with respect to the direction of travel of the spinning material, wherein there is provided in the region of the structural units (5, 6, 7, 9) of the spinning apparatus (1) a plurality of longitudinal structural members (10, 11,

13, 14) to which the structural units (5, 6, 7, 9) of the spinning apparatus (1) are fixedly attached and by means of which the structural units (5, 6, 7, 9) are supported.



(Com. : 36 pages;

Drwgs. : 3 sheets)

Ind. Cl. : 162

180672

Int. Cl.⁴ : D 07 B 1/00 7/00

PROCESS FOR MANUFACTURING A VARIABLE STIFFNESS LINE AND ASSOCIATED ELEMENT.

Applicant : INSTITUT FRANCAIS DU PETROLE OF 4, AVENUE DE BOIS PREAU, 92502 RUEIL MALMAISON, FRANCE AND AEROSPATIALE OF 37 BD DE MONTMORENCY, 75781 PARIS, CEDEX 16, FRANCE, BOTH ARE OF FRENCH NATIONALITY.

Inventors : 1. CHARLES SPARKS, 2. PIERRE ODRU, 3. MARCEL AUBERON.

Application No. : 403/Mas/92 dated June 30, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

18 Claims

Method of manufacturing a line whose stiffness varies over at least a portion of its length, the said line having at least one element with variable stiffness, the said element being made up of sub-layers of composite material containing fibres, these being sub-layers in which the fibres has at least one component whose direction forms an angle of zero or small value with the axis of the line, comprising the following steps :

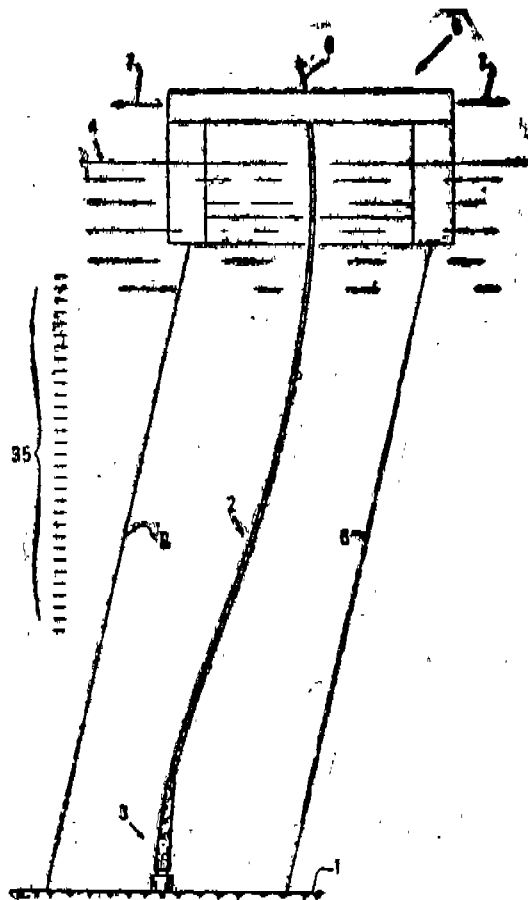
(a) a first layer of composite material containing fibres is wound helically onto an initial pipe and over a length corresponding to the final length of the line at an angle equal in absolute value to alpha ranging from 30° to 75° relative to the axis of an initial pipe;

(b) a second layer of composite material containing fibres is wound helically onto the first layer and substantially over the same length at an angle equal in absolute value to beta ranging from 10 to 25° relative to the axis of the pipe;

(c) fibres are applied on top of the second layer in the form of one or several draped sub-layers of fibres are wound continuously and longitudinally so as to form sub-layers of composite material of decreasing longitudinal size the further away the sub-layer is in distance from the axis of the initial pipe, thereby forming an element with variable stiffness;

(d) one or several layers of the same type as the first or second layer are wound onto the element with variable stiffness element and substantially along the length of the line.

(e) the unit is then put through a process of cross-linking in a known manner.



(Com. : 38 pages;

Drwgs. : 6 sheets)

Ind. Cl. : 172 D 4

180673

Int. Cl.⁴ : D 01 H 5/00

A DRAFTING APPARATUS COMPRISING A DRAFT ROLLER.

Applicant : YOJI KITAMURA, OF 1-18, DEGUJI 1-CHÔME, HIRAKATASHI, OSAKA-FU, JAPAN, A JAPANESE CITIZEN.

Inventor : 1. YOJI KITAMURA.

Application No. : 404/Mas/92 filed on 30-06-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

A drafting apparatus, comprising a draft roller having a peripheral face and the drafting apparatus having an apron roller, the draft roller being rotatable about a fixed axis, a clearer device for clearing waste from said draft roller peripheral face, said clearer device comprising

an elongated support frame,

clearer pad means for projecting from said support frame means for mounting said support frame parallel to the draft roller axis with draft roller engageable parts of the clearer pad means in a first mounted upright positioning of the support frame being engaged with the peripheral face of the draft roller at one side of the draft roller axis for brushing waste away from said peripheral face said mounting means is provided with pivot means connected to said support frame intermediate the ends thereof,

an elongated resilient plate, said resilient plate at a first end thereof being connected to said support frame at a lower part of said support frame, an opposite end of said resilient plate being engageable/disengageable with an arresting ring extending from said apron roller so that each time said apron roller rotates, said resilient plate is engaged by said arresting ring and raised causing said support frame to pivot in a predetermined direction to a second mounted position in which it is inclined downwardly and the clearer pad means is moved to a position clear of the draft roller peripheral face with the draft roller engageable parts of said clearer pad means disposed at an opposite side of the draft roller axis and in which second mounted position waste accumulated on said support frame and clearer pad means can drop therefrom, disengagement of the resilient plate opposite end with from said arresting ring causing a repulsive force present in said resilient plate to pivot said support frame in an opposite direction and back to its first mounted position.

(Com. : 24 Pages;

Drawgs. : 7 Sheets)

Ind. Cl. : 109

180674

Int. Cl.⁴ : A 44 C 5/02

A JEWELLERY CONNECTION DEVICE.

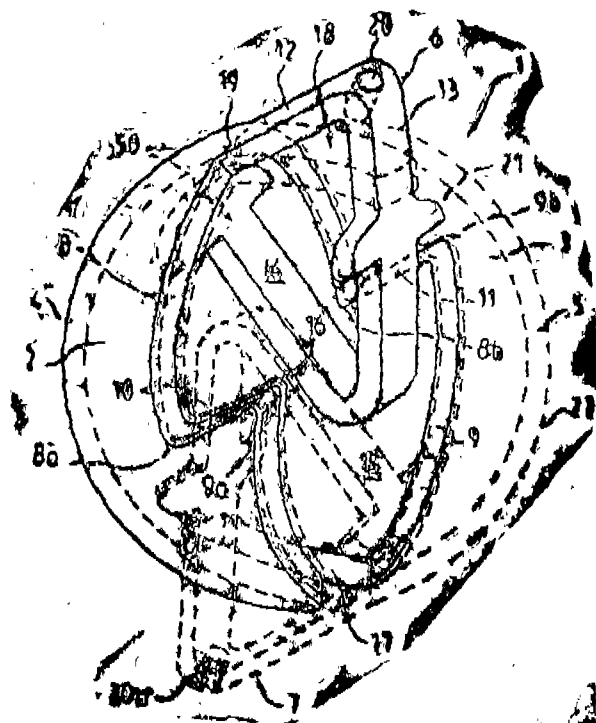
Applicant & Inventor : CHARLES BALLENEGGER, A SWISS CITIZEN, OF 1172 BOUGY-VILLARS, SWITZERLAND.

Application No. : 406/Mas/92 dated July 2, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A connection device for jewellery comprising a housing and a pin which is integral to the housing, and which consists of a strip with multiple bends, said housing comprises a slot at a location opposite to the location of the pin to permit introduction of a pin of a second connection element which is essentially identical to the first connection element and positioned in a 180° rotated orientation with respect to said first element during connection of two free ends of the jewellery on to one of its ends with a piece of jewellery comprising said second connection element.



(Com. : 19 pages;

Drawgs. : 4 sheets)

Ind. Cl. 32 F3 (d)

180675

Int. Cl.⁴ : C 07 D 307/00

AN IMPROVED PROCESS FOR THE MANUFACTURE OF MALEIC ANHYDRIDE.

Applicant : HUNTSMAN SPECIALTY CHEMICALS CORPORATION, OF 2000 EAGLE GATE TOWER, 60 EAST SOUTH TEMPLE STREET, SALT LAKE CITY, UTAH 84111-1098, USA; A US CORPORATION.

Inventors : 1. JERRY RUDOLPH ENBER, 2. ROBERT ANDREW KEPPEL, 3. MICHAEL JAMES MUMMEY.

Application No. : 412/Mas/92 dated July 8, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

27 Claims

An improved process for the manufacture of maleic anhydride by passing through a tubular reactor a gas initially containing oxygen and a nonaromatic hydrocarbon having at least four carbon atoms in a straight chain, said tubular reactor containing a fixed bed of a catalyst comprising vanadium, phosphorus and oxygen in which the hydrocarbon and oxygen react to produce maleic anhydride in the vapor phase, said gas and catalyst bed being cooled during the reaction by transfer of heat to a cooling fluid through a wall of said tubular reactor, wherein the improvement which comprises : passing a gas in a single pass through a fixed catalyst bed, said gas initially containing oxygen, at least about 1.5% by volume of a nonaromatic hydrocarbon having at least four carbon atoms in a straight chain, and a volatile phosphorus compound in a proportion sufficient to provide a phosphorus content of at least about 2×10^{-3} % by volume, the catalyst activity per unit volume in said fixed bed varying with temperature and hydrocarbon concentration in the direction of flow of gas in such manner that the reaction rate is promoted by high activity in a region of low temperature and low hydrocarbon concentration within the bed and is restricted by relatively low activity in a critical region within the bed where the combination of temperature and hydrocarbon concentration could otherwise cause the reaction to proceed at an excessive rate or the gas temperature to rise excessively, said critical region comprising a region in which

the hydrocarbon concentration exceeds 0.8% by volume and the gas temperature would be more than 30°C higher than the cooling fluid temperature if the catalyst activity throughout the bed were the same as in said region of high catalyst activity, said activity so varying in the direction of gas flow that the reactor is operated at initial hydrocarbon concentrations of over 1.5% by volume, an integrated average temperature difference between gas and cooling fluid of at least about 15°C over that portion of the bed in which the gas temperature exceeds the cooling fluid temperature, a hydrocarbon conversion of at least 70%, and productivity of at least about 5.0 lbs. maleic anhydride per hour ft³ of catalyst, without said temperature difference between the gas and cooling fluid exceeding 30°C at any point in the catalyst bed during the course of the reaction; and controlling the rate of introduction of said hydrocarbon into said catalyst bed so that the conversion of said hydrocarbon is at least about 70% and the temperature differential between said gas and said cooling fluid does not exceed about 80°C anywhere within said catalyst bed, while the average difference between the temperature of the reacting gas and the temperature of cooling fluid is at least about 15°C over the portion of the bed in which the gas temperature exceeds the cooling fluid.

(Com. : 71 pages;

Drwg. 1 sheet)

Ind. Cl. : 172 D 4

180676

Int. Cl. : D 01 H 1/00, 7/00

A TRAVELLER FOR AN INCLINED FLANGE RING OF A RING SPINNING OR RING TWISTING FRAME.

Applicant : BRACKER AG, A SWITZERLAND COMPANY, OF OBERMATTSTRASSE 65, CH-8330, PFAFFIKON-ZURICH, SWITZERLAND.

Inventor : FRANZ OBERHOLZER.

Application No. : 415/Mas/92 filed on 10th July 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A traveller for an inclined flange ring of a ring spinning or ring twisting frame with two substantially equally directed traveller arms (1, 3), the longer of which comprises the matching surface (8) intended to bear on the working surface of the ring while the shorter has, intended to engage an annular shoulder, an inwardly angled-over engaging piece (6) and with, extending between the traveller arms, a connecting piece (10) comprising two straight parts (11, 12) extending at an obtuse angle (B) in respect of each other of which one is adjacent the longer traveller arm (1) through an arcuate piece (2) and, connecting these two straight parts to each other, an arcuate part (13) which forms an apex (16), the distance (18) of which from the longer of the traveller arms is greater than from the short thereof, characterised in that the longitudinal extension (21) of the traveller amounts to approximately 215% of the gap (4) between the two traveller arms, the partial distance (18) from the longer traveller arm to an axis (15) approximately parallel with the traveller arms and passing through the apex amounts to approximately 54% of this gap.

(Com. Specn. : 16 Pages;

Drwg. 03 Sheets)

Ind. Cl. : 166—A

180677

Int. Cl. : B 63 b 27/00

A HATCH COVERLESS OPEN CELLULAR CONTAINER SHIP.

Applicant : ADVANCE SHIP DESIGN PTY. LTD., AN AUSTRALIAN COMPANY OF SUITE 1 166 PACIFIC HIGHWAY NORTH SYDNEY, NEW SOUTH WALES, 2060 AUSTRALIA.

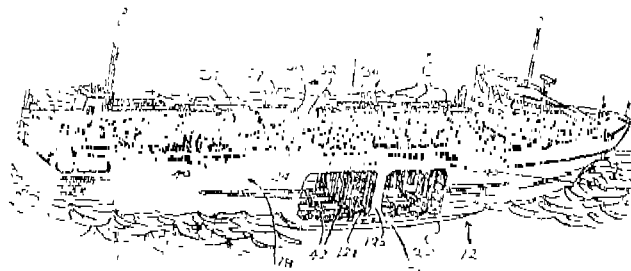
Inventor : WILFRED ELLIS.

Application No. : 167/Mas/92 filed on 17th March 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A Hatch coverless open cellular containership comprising a hull having a load bearing deck bounded by opposite side walls each presenting an uppermost strength deck, a plurality of holds between said side walls, spaced guide means within said holds defining a plurality of cells each housing a plurality of stacked containers a top said load bearing deck, said holds presenting an open top devoid of hatch covers overlying said containers whereby, uppermost ones of said stacked containers are fully exposed to the elements, and said hull side walls defining a freeboard extending upwardly from the load waterline that is no less than 2.5% of the length of said containership with said length being defined as the distance between perpendiculars passing through the containership's rudder post centerline and the containership's bow and respectively, through the containership's summer load waterline.



(Comp. : 16 Pages;

Dgs. : 04 Sheets)

Ind. Cl. : 116 F

180678

Int. Cl. : B 66 D 3/18

AN ELECTRIC HOIST.

Applicant : KABUSHIKI KAISHA KITO OF 2000 TSUJIIARAI, SHOWA-CHO, NAKAKOMA-GUN, YAMANA-SHI, JAPAN.

Inventors : 1. MASATOSHI SASAKI (JAPAN), 2. MASAHIKO MOCHIZUKI (JAPAN).

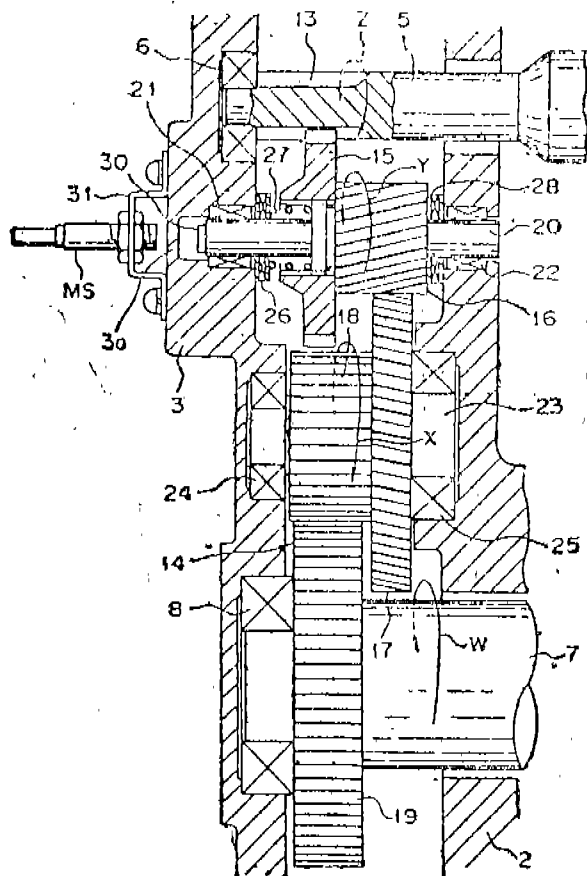
Application No. : 169/Mas/1992 filed on 17th March, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

25 Claims

An electric hoist comprising : an electric motor having an output shaft; a driven shaft for lifting and lowering a load; a reduction gear located between said output shaft and said driven shaft and having at least two helical gears in mesh with each other, one of said helical gears being movable in an axial direction at a predetermined load value; detecting means for detecting the movement of said movable helical gear; and control means for controlling the speed of rotation of said electrical motor in response to an output signal from said detecting means allowing change in the speed of rotation of said electric motor from a higher

speed to a lower speed when the weight of the load exceeds the predetermined value.



(Comp. Specn. : 22 pages;

Drwgs. : 12 sheets)

Ind. Cl. : 56 B

180679

Int. Cl.⁴ : C 10 G 65/10

PROCESS FOR HYDROCRACKING A HYDROCARBONACEOUS FEEDSTOCK.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT LAAN 30, 2596 HR THE HAGUE, NETHERLANDS.

Inventor : 1. WILLIAM DOUGLAS GILLESPIE.

Application No. : 171/Mas/1992 filed on 18th March, 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

Process for hydrocracking a hydrocarbonaceous feedstock having components boiling above 190°C comprising reacting the feedstock in the presence of hydrogen with a hydrocracking catalyst under hydrocracking conditions in a reactor which comprised at least two separate beds of catalyst

stacked on top of each other, which catalyst comprised on or more hydrogenation components of a Group VIB metal and/or Group VIII metal and a carrier having hydrocracking activity, whereby the metals content of at least one of the hydrogenation components of the catalyst used in one or more of the top beds comprising up to fifty percent by volume of the total catalyst used in the reactor is at least 1.5 times the metals content of the corresponding hydrogenation component of the catalyst used in the remaining beds and the average effective particle diameter of the catalyst used in one or more of the top beds is at most 0.75 times the average effective particle diameter of the catalyst used in the remaining beds.

(Com. Specn. : 18 pages;

Drwgs. : Nil)

Ind. Cl. : 64 B1

180680

Int. Cl. : H 01 R 13/50

A MULTIPLE WIRE-SPLICE MODULE.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000, UNITED STATES OF AMERICA.

Inventors : 1. GARY BRUCE MATTHEWS, 2. JEROME ALLEN PRATT.

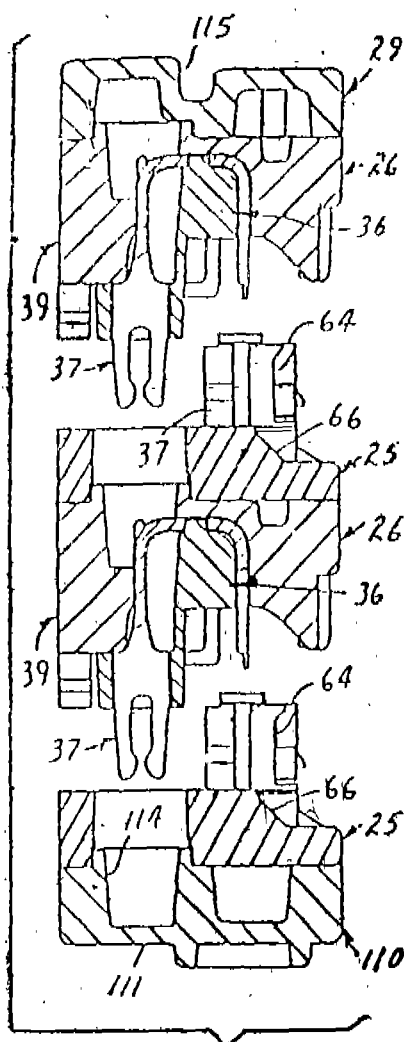
Application No. : 172/Mas/92 filed on 18th Mar 1992.

Appropriate Office for Oppositions Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A multiple wire-splice module comprising an elongate base formed of an insulating polymeric material having opposite longitudinal sides and opposite surfaces, with slotted openings extending through said base between said surfaces along one side and wire retaining members positioned along one surface adjacent the opposite side forming channels for receiving the wire, an elongate body of insulative material having opposite surfaces, and a plurality of conductive contacts, said body supporting said contacts, each said contact having a bifurcated wire receiving end portion, a second connecting member at the other end and a third connection portion intermediate the ends of the contact, said bifurcated wire receiving end portion being adapted to connect to a said wire in a channel of said base and said second connecting member and said third connection portion being accessible at opposite surfaces of the base and body, when said base and body are assembled with a wire junction being formed therebetween, whereby a pair of said modules can be plugged together and unplugged to connect and disconnect wires of

different cables and not expose a said wire receiving end portion of a contact of either module.



(Com. : 27 Pages;

Drwgs. : 8 Sheets)

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 292/Cal/92 (177484) made by Licentia Patent-Verwaltungs-GmbH has been allowed to proceed in the name of AEG Niederspannungstechnik GmbH & Co. KG.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendment proposed by Piaggio Veicoli Europei, SPA in respect of Patent application No. 596/Del/1986 (167752) as advertised in Part III Section 2 in the Gazette of India on March 30, 1996 and no opposition being filed within the stipulated period, the same amendment have been allowed.

The amendment proposed by Liberty Technologies Inc., U.S.A. in respect of Patent Application No. 692/Del/1988 (175490) as advertised in part III section 2 in the Gazette of India on March 30, 1996 and no opposition being filed within the stipulated period, the said amendment have been allowed.

RENEWAL FEES PAID

178418 178429 178420 178433 178434 178435 178437 178438
165864 174028 176292 174712 177385 177507 177846 178011
178192 178413 178272 178354 171916 176503 173299 177618
177630 178518 178544 178419 161854 163227 168206 169456
169802 171810 173893 176317 169433 171217 170959 178019
171083 168265 176049 176328 176617 171373 178526 178306
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178358 178601 177107 163335 177014 162158 163359 175687
161719 169458 165470 165886 165045 177324 165322 176511
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177381 164890

PATENT SEALED ON 29-01-98.

172873* 173056*D 177661* 178671* 178674 178765* 178676*
178677* 178678* 178679*D 178680* 178682 178683 178674
178686 178687 178688 178689 178690 178691 178692 178693
178695*D 178696*D 178697*D 178699 178700* 178701
178702* 178703 178704.

CAL-15, DEL-14, MUM-NIL, CHEN-2.

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. Nos. 172393, 172394 & 172396, Ajanta Watch Ltd., a company existing under the Companies Act, 1956 of Orpat Industrial Estate, Rajko Highway, Morbi-363641, Gujarat, India, "WRIST WATCH", 16th October 1996.

Class 1. No. 172792, Aracaria BV, of Leidseplan 29, 1017 PS Amsterdam, The Netherlands, a Dutch Company, "A SUCTION DEVICE FOR MAKING VACUUM", 10th December 1996.

Class 3. No. 172793, Aracaria BV, of Leidseplan 29, 1017 PS Amsterdam, The Netherlands, a Dutch Company, "A SUCTION DEVICE FOR MAKING VACUUM", 10th December 1996.

Class 3. No. 172976, Mirza Mohd. Arif, Proprietor of M/s. Bittoo Enterprises, 595/37, Onkar Nagar, 'C' Tri Nagar, Delhi-110035, Indian national, "Plastic Seal", 16th January 1997.

Class 3. No. 172750, Eastern Medikit Ltd., an Indian company incorporated under the Indian Comp. Act, N-22, Greater Kailash Part I, New Delhi 48, India, "INFANT MUCUS EXTRACTOR Y-CONNECTION 2C-CLAMPS", 3rd December 1996.

Class 3. Nos. 172429 & 172430, Patel Ply Centre of 12, Vadhani Industrial Estate, L.B.S. Marg, Ghatkopar (W), Mumbai-400086, Maharashtra, India, AN Indian partnership firm, "MOULDED ARTICLE", 18th October 1996.

Class 3. No. 172752, Megha Enterprises, H 262, Naraina Vihar, New Delhi-110028, India, an Indian proprietorship firm, "DOUGH ROTTER", 3rd December 1996.

Class 3. No. 172753, Megha Enterprises, H 262, Naraina Vihar, New Delhi-110028, India, an Indian proprietorship firm "DOUGH MAKER", 3rd December 1996.

Class 3. No. 172371, Vinaybhai Aasoo Chheda, an Indian national whose address is 83, Trimurti Apartment, Mamlatdar Lane, Malad (W), Bombay-400064, Maharashtra, India, "ELECTRIC SWITCH", 15th October 1996.

Class 10. Nos. 172582 & 172583, B. S. Plastic, T-2/160, Mangolpuri Ind. Area, Phase I, Delhi-110083, India, an Indian partnership firm, "FOOTWEAR", 11th November 1996.

Class 10. No. 172279, M. A. Rubber Industries, of 12/65/1, New Charbagh Road, Shahganj Agra, U. P., India, an Indian partnership concern, "SOLE OF FOOTWEAR", 30th September 1996.

Class 14. No. 172453, Parry Murray & Co. Ltd., a British Company of Canterbury House, 7th floor, Sydenham Road, Croydon CR0 9XE Surrey, United Kingdom, "A FEBRIC", 25th October 1996.

T. R. SUBRAMANIAN

Controller General of Patents Designs & Trademarks.

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित 1998

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